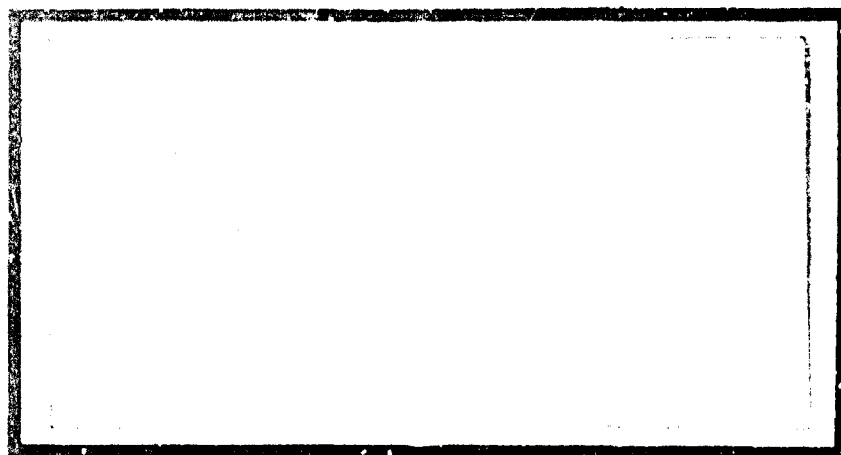


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ANALYSIS OF TRIP GENERATION FACTORS  
INVOLVED IN GROUND PASSENGER TRANSPORTATION  
WITHIN MONTGOMERY AND GREENE  
COUNTIES, OHIO

Captain John M. Barry  
Captain Philip D. Bown

SLSR-4-72A

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IN GROUND PASSENGER TRANSPORTATION WITHIN  
MONTGOMERY AND GREENE COUNTIES, OHIO

A Thesis

Presented to the Faculty of the School of Systems and Logistics  
of the Air Force Institute of Technology

Air University

In Partial Fulfillment of the Requirements for the  
Degree of Master of Science in Logistics Management

By

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Philip D. Bown, B.S.  
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January 1972

This thesis, written by

Captain John M. Barry

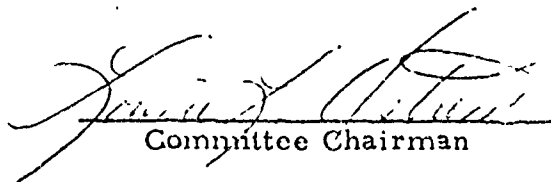
and

Captain Philip D. Bown

and approved in an oral examination, has been accepted by the undersigned on behalf of the faculty of the School of Systems and Logistics in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN LOGISTICS MANAGEMENT

Date: 28 January 1972

  
Committee Chairman

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## Chapter 1

### INTRODUCTION

#### Problem Statement

Developing any regional transportation system is an uncertain and costly undertaking. The fixed elements of a highway network or mass transit scheme are very difficult and expensive to change. Therefore, an intensive problem analysis should precede the design of any transportation system. The systems that are being built must adequately service the present as well as future populations. If these systems do not satisfy transportation needs, other systems must be constructed to replace them. The techniques and principles used in analyzing trip generation data have provided some insight into the proper transportation systems to be used in the future. Using this approach, the authors decided to apply this type of analysis to the local area surrounding Wright-Patterson Air Force Base, Montgomery and Greene Counties. The basic problem of the research effort was to quantify and relate the factors that affect ground passenger transportation in Montgomery and Greene Counties. Some of the factors which have been found to influence ground passenger transportation are population densities, land use, types of employment and their

populations, and family size. Hopefully, the relationships between these factors and the need for transportation will provide sufficient information required to allocate scarce transportation resources wisely.

### Background

The requirement for adequate transportation exists to satisfy man's need for survival, food, shelter, and recreation. This need is extremely critical in America today, where present transportation schemes are deteriorating. Prior to the 1950's, the planning of most transportation networks was based upon simple traffic counts. These traffic counts recorded the traffic volume with respect to time on a transportation route. If the traffic volume per unit time period was greater than the existing route could handle, the route was either expanded or supplemented. In an attempt to provide greater insight into existing travel patterns, origin-destination studies were accomplished. This description usually took the form of tables of trip origins and destinations. Future urban travel volumes were developed by extending the past traffic growth rate curve into the future by extrapolation techniques. However, many transportation studies made no projections of transportation requirements.<sup>1</sup> These studies only

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<sup>1</sup>U. S. Department of Transportation/Federal Highway Administration, Bureau of Public Roads, Guidelines for Trip Generation Analysis, Washington: Government Printing Office, 1967, p. 1.

emphasized the alleviation of existing traffic problems while very little was done to quantify the relationships between land use patterns and travel for the solution of future traffic problems.

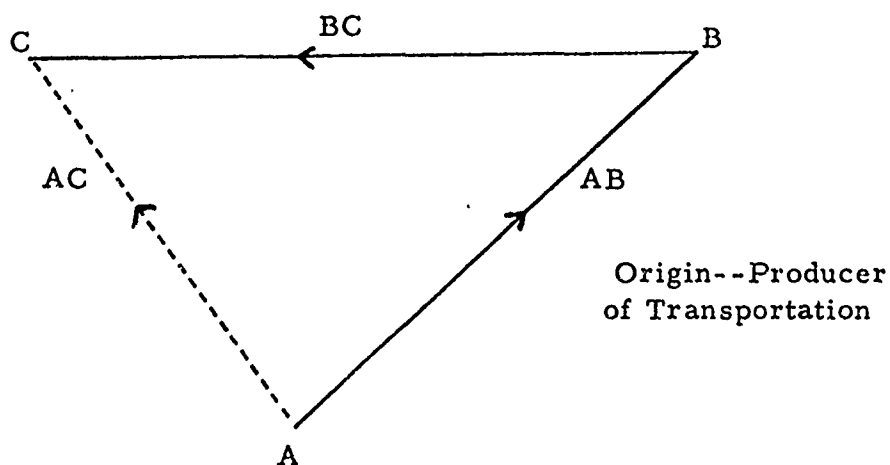
The approach of determining transportation requirements based on the single parameter was basically unsound. There are many other interdependent factors that must be considered in calculating transportation needs. Mitchell and Rapkin's book, Urban Traffic, a Function of Land Use was one of the first books to question the validity of the traffic count method of determining transportation needs.<sup>2</sup> Traffic counts only described what route was traveled and the number of ground passengers traveling on that route. This method could not explain the questions of why and where the passengers were traveling. Traffic counts showed that x number of passengers traveled on a particular route past a particular point and thus could not actually analyze the passenger's real transportation requirement. For example, passengers traveled from point A to B on route AB. Maybe these passengers' ultimate destination was not point B, but some point C where a commercial establishment or a factory existed. Traffic counts indicated that route AB was a valid transportation requirement and that it could be expanded or supplemented according to traffic volume. This faulty reasoning led to the allocation of transportation

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<sup>2</sup>R. B. Mitchell and C. Rapkin, Urban Traffic, a Function of Land Use (New York: Columbia University Press, 1951), p. 150.

resources to routes AB and AC whereas the real transportation requirement existed along an undeveloped path AC. Figure 1, below, illustrates this problem. Therefore, unnecessary resources were expended in constructing additional routes instead of a single more direct and cost effective route. This unfortunate situation can be observed in many urban and suburban areas today where the shortest distance between two points is not a straight line but a maze. Highways are usually expanded or modified when populations develop around them. Secretary Alan T. Boyd, the first Secretary of the Department of Transportation acknowledged this situation when he stated, "Don't

Destination--Attractor  
of Transportation



——— Transportation requirement indicated by traffic count

----- The real transportation requirement indicated by tripend generation analysis

Figure 1

Graphical Analysis of Hypothetical Transportation  
Requirements in Area ABC Using Traffic Counts  
and Tripend Generation Analysis

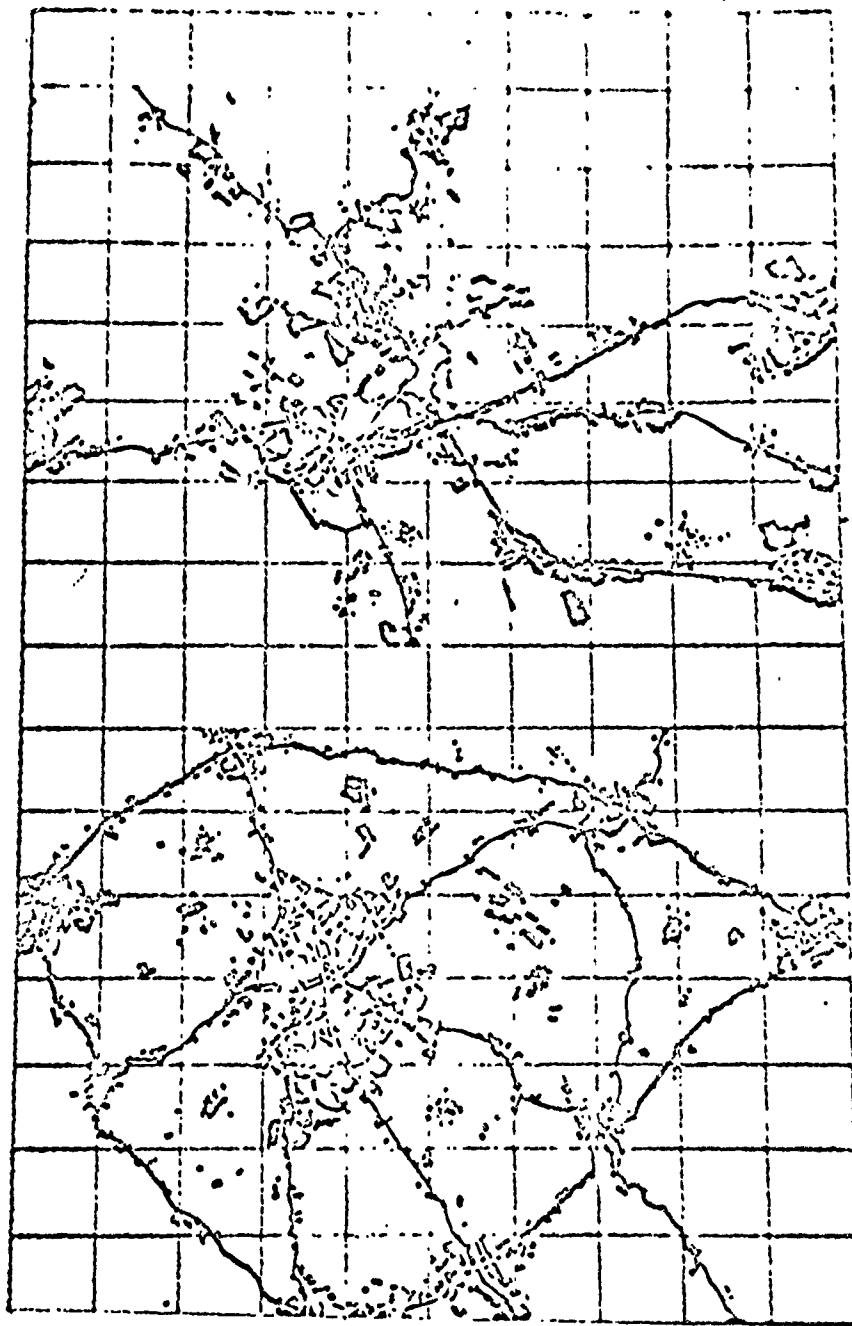
forget that future innovations in transportation will have to be superimposed on a system that already exists--a system which is being expanded and being built to last for a long, long time."<sup>3</sup> The classical explanations to justify this maze was that transportation routes follow populations. This rationalization was challenged by C. A. Doxiades in his book, Urban Growth and the Future of the American City. Doxiades found the reverse to be true; populations follow transportation routes. Figure 2, page 6, depicts transportation networks as a basic factor in attracting populations.<sup>4</sup> This conclusion received recent public support when Dr. Paul Cherington, former Assistant Secretary for Transportation for Policy and Internal Affairs stated that ". . . We have been operating on a mistaken principle--the transportation routes should go where the people are. It's wrong, people tend to go where the transportation is!"<sup>5</sup> Therefore more emphasis must be placed on analyzing transportation requirements. Since the development of these new ideas, several recent transportation studies have emerged which expanded the techniques of analyzing transportation requirements. Some of these studies are mentioned in the following

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<sup>3</sup>Frederick C. Appel, "The Coming Revolution in Transportation," National Geographic Magazine, September, 1969, p. 314.

<sup>4</sup>C. A. Doxiades, Urban Renewal and the Future of the American City (Chicago: Public Administration Service, 1966), p. 22.

<sup>5</sup>Appel, "The Coming Revolution in Transportation," National Geographic Magazine, September, 1969, p. 314.



— Lines indicate transportation lines  
.. Dots indicate populations

Figure 2

Graphical Representation of Theoretical  
Transportation Networks Attracting  
Population Centers

Source: Doxiades, C. A. Urban Renewal and the Future of the American City (Chicago: Public Administration Service, 1966).

paragraphs.

Three classic or significant transportation studies were conducted in the past two decades. The Report on the Detroit Metropolitan Area Traffic Study (1953), The Chicago Area Transportation Study (1960), and The Pittsburgh Area Transportation Study (1961) were among the first attempts to use modern tripend generation methods for predicting transportation requirements. In Chapter V of the Detroit Study Report, it was hypothesized that ". . . travel in an urban area, both in volume and spatial distribution is an orderly phenomenon."<sup>6</sup> If the key variables that affect travel and the result which each has on travel can be isolated, then it is possible to predict tripends.

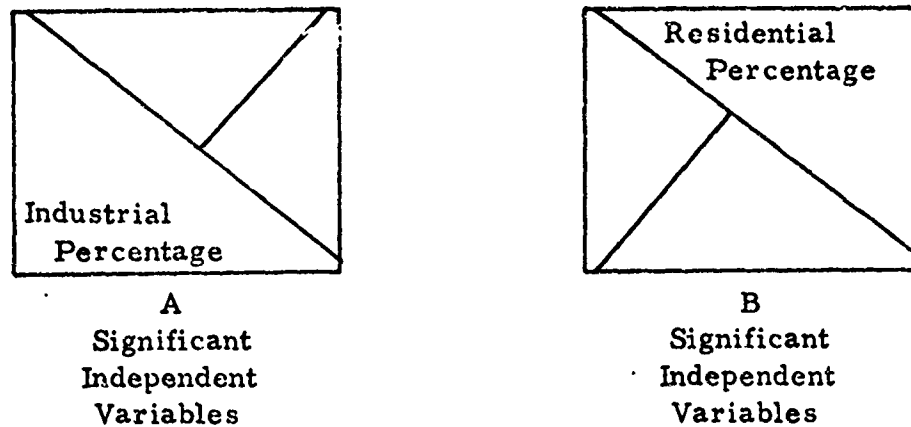
A basic question asked in transportation studies is why do the transportation requirements and the factors that affect these requirements vary from one area to the next? The differences in population density, existing road networks, and the availability of mass transit account for most of the variance in requirements. The difference in the factors that affect these requirements are more difficult to detect. For example, why might the factors that produce tripends in Montgomery and Greene Counties vary from those factors found significant in the Chicago Area Transportation Study? The answer lies in Rapkin's hypothesis that transportation is a function of land use. Two land areas

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<sup>6</sup>Report on the Detroit Metropolitan Area Traffic Study, Part I, Data Summary and Interpretation, Detroit, July, 1955, p. 77.

with similar transportation facilities can exhibit different relationships between the transportation requirements, measured in tripends and such independent variables as employees per zone, dwelling units per zone, and cars owned per zone. The reason for these different relationships is dissimilar uses of the land. For example area A may have a higher industrial percentage while area B may have a higher residential percentage. This indicates that area A transportation requirements may show a significant dependent relationship on employees per zone while area B's requirements may show a relationship to the number of dwelling units per zone. The total relationship of the number of tripends in both these areas depends on both these factors rather than one or the other. Area A's requirement would be more dependent on the number of dwelling units per zone than the number of employees per zone. Figure 3, page 9, shows these two fictitious areas and the possible tripend relationships. Therefore, the different relationships between independent variables that affect tripends are partly the result of different land uses. Next, the past transportation studies in Montgomery and Greene Counties were explored.

Montgomery and Greene Counties have had a history of significant transportation studies. Tammen and Bergendoff Associates of Kansas City, Missouri, developed the Arterial Highway Plan, Dayton, Ohio, Urban Area in 1953. Harland Bartholomew Associates of St. Louis presented A Report on Transportation, Dayton, Ohio, in 1957. This latter report involved an origin-destination (O-D) random



1. Employees/Zone
2. Type of Employment/Zone
3. Total Population/Zone

1. Dwelling Units/Zone
2. Cars Owned/Zone
3. Total Population/Zone

Figure 3

Graphical Representation of Two Land Areas with  
Similar Transportation Facilities Exhibiting  
Different Relationships Between  
Transportation Requirements  
and Socio-Economic  
Characteristics

sample sent to all registered vehicle owners in Montgomery and Greene Counties. In 1965, the Regional Transportation Committee of Montgomery and Greene Counties completed the Regional Transportation Plan. This plan was based on the 1957 O-D study and forecasted the transportation requirements and networks for the two counties through 1980. The Regional Transportation Committee was succeeded by the Montgomery and Greene County Transportation Coordinating Committee (TCC). The TCC was formed in order to continue research and planning for transportation requirements in these two counties. In the fall of 1968, the TCC conducted an O-D study which consisted of a

systematic random home interview sample of one out of every fifteen residents in the two counties. In order to validate the data from this sample, a correlation analysis was run for the production of tripends by the TCC. The purpose of this O-D survey was to provide a data base for determining future transportation requirements. However, the limited resources of the TCC delayed the determination of these transportation requirements. In the next section, the rationale behind this analysis is discussed.

#### Rationale for Trip Generation Analysis

The desired end product in trip generation analysis is an accurate identification and quantification of trips beginning and ending in the various analysis units within a transportation study area. These tripend volumes are difficult, if not impossible, to forecast directly. Decisions made in the households with respect to travel are attributed to such diverse variables as the families economic status, locational environment, and demographic characteristics. The ultimate goal of trip generation analysis, therefore, is to establish an adequate functional relationship between tripend volumes and the land use and socioeconomic characteristics of the zones from which they originate or to which they are destined. Trip generation analysis attempts to develop relationships which help to answer such questions as: why does a family living in a high rise apartment close to the central city business district (CCBD) average three trips per day, while the daily average for

a family living in suburbia is eleven trips per day? Generally, these questions can be considered in terms of three land use factors which influence trip generation: intensity, character, and location.<sup>7</sup>

Intensity of land use expresses the amount of an activity or characteristic found in a given area unit and is usually stated in terms of density variables such as dwelling units per zone or employees per zone. Variations in intensity have a distinct impact on the number and types of trips that are generated in a study area. Figures 4 and 5 on pages 12 and 13, from the Pittsburgh Area Transportation Study illustrate that the number of trips per dwelling unit generally shows a notable decrease as the number of dwelling units per residential area increases. An examination of Figure 5 indicates that a family living in a house in a district with a density of ten dwelling units per acre makes an average of six person trips per day, while a family in an apartment house area which has a density of sixty dwelling units per acre makes only three trips per day. Why was there such a disparity in the number of trips made over the scale of intensity? High rise apartment communities often include small shops, grocery, and drug stores within the buildings which reduce the need for vehicle trips to purchase food or convenience goods. Inner city households exhibit many of the characteristics of the higher density areas. For example, small

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<sup>7</sup>U.S. Department of Transportation, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 7.

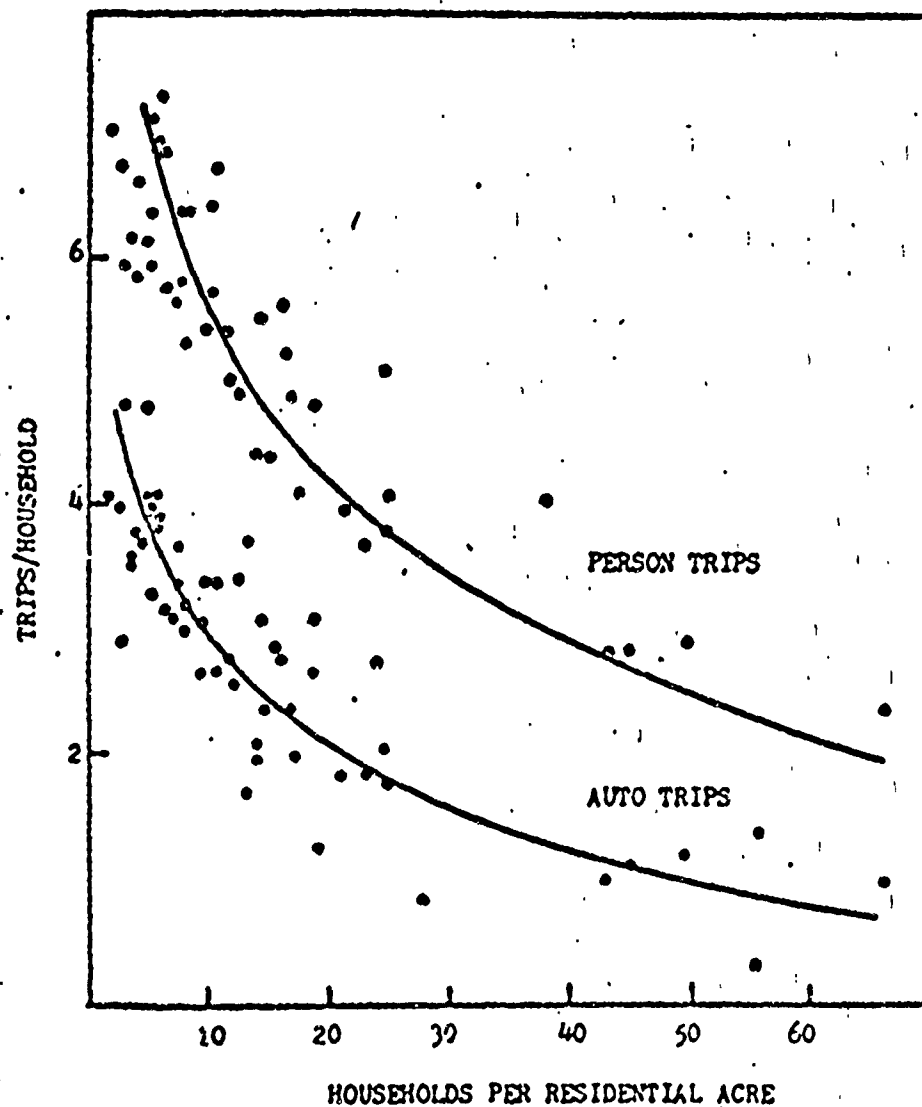


Figure 4

Graphical Representation of the Effect of Residential Density on Trip Production by Districts in Pittsburgh, Pennsylvania

Source: Pittsburgh Area Transportation Study Final Report, Vol. I, Study Findings, Pittsburgh, Pa., (November, 1961), p. 48.

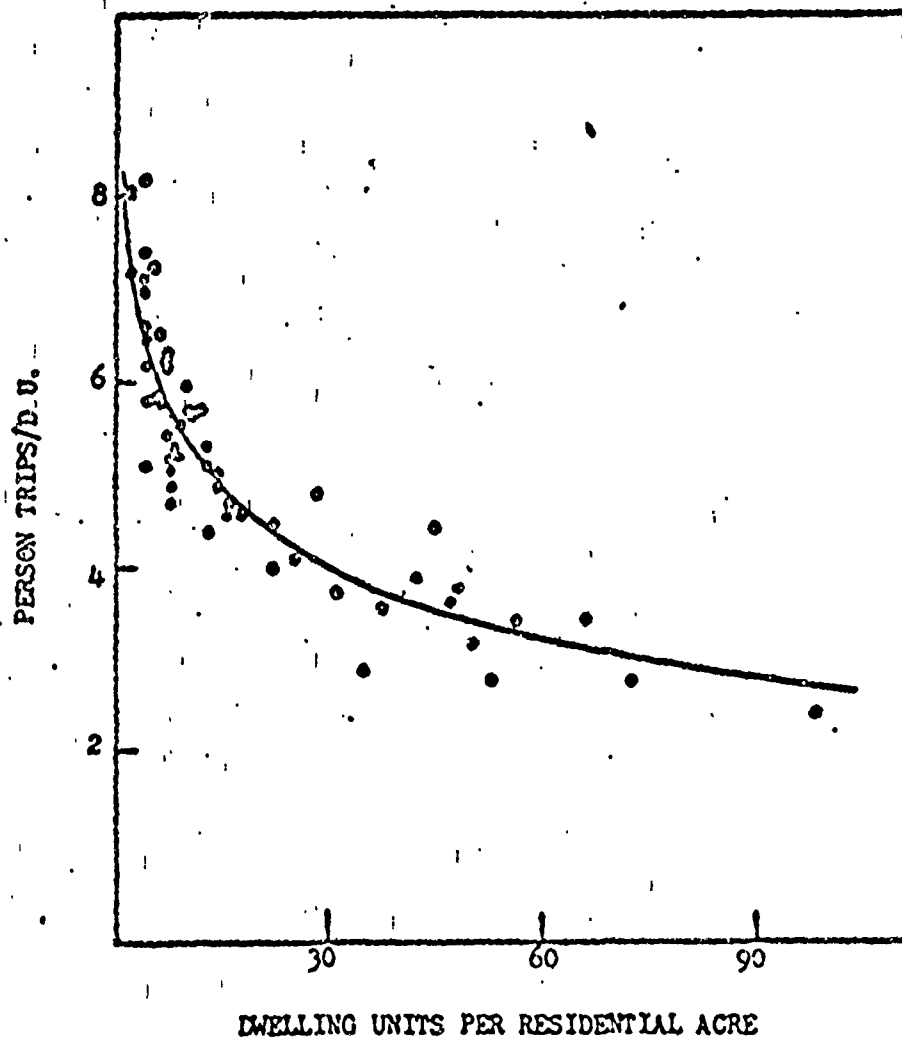


Figure 5

Graphical Representation of the Effect on Residential  
Density on Trip Production by Districts in  
Washington, D. C.

Source: Pittsburgh Area Transportation Study, Final Report, Vol. I, Study Findings, Pittsburgh, Pa., (November 1961, p. 48).

corner commercial establishments are often located within easy walking distance so that fewer vehicle transit trips are necessary. The density in both the high rise apartment communities and the inner city areas, in terms of dwelling units or households per residential acre would fall on the lower, flat portion of the curves in Figures 4 and 5 on pages 12 and 13. Previous studies have indicated that when residential density falls below approximately ten dwelling units per acre, trip generation rates rise quite rapidly as demonstrated in Figures 4 and 5. This is the case of the spacious suburbs where the family car is not only a way of life, but a necessity. Most trips made by a household will be via this means. The convenient corner market, which was common to older inner city neighborhoods, is now the giant one hundred acre shopping center located several miles away.

The trip land use intensity relationship is not sufficient to form the basis for the entire residential trip generation analysis. Although the relationships in Figures 4 and 5 appear to be highly significant, they do not explain all the variation in trip generation. If the total variation was accounted for, all the data points would describe a single, smooth curve that can be expressed mathematically. Obviously, then there are other factors influencing trip making. One of these other factors concerns the characteristics of the household reflecting the socio-economic identity of the analysis unit. For example, two variables associated with residential land use that are indices of household

characteristics are family income and car ownership. The intensity of residential land use in terms of dwelling units per zone may be equal. The characteristics of these households, such as family income or family size, may be different. The contribution of a variable describing these characteristics is quite evident in the explanation of trip generation. For example, families in the higher income ranges are often multi-transport vehicle (i.e. motorcycle and cars) families which result in increased mobility. Low income families often do not own a car and must rely on public transit, thus generating fewer privately owned vehicle trips. Higher income families exhibit an increased amount of travel from the home for purposes other than work. This increase in trip generation is found in the shopping and social recreational purpose categories. These general assumptions were tested and found to be valid in the Kansas City and the St. Louis O-D studies.<sup>8</sup>

The number and factors that affect tripends provide useful information to the transportation planner. The number of tripends acts as an indicator of transportation requirements of an area and provides the planner with a decision tool for allocating resources. The higher the number of tripends an area exhibits, the higher priority it will receive in further transportation analysis and resource allocation.

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<sup>8</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), pp. 11-12.

The relationships between the number of tripends and the factors that affect them is important in updating and forecasting tripends. Tripend equations resulting from validated O-D surveys are good for about ten years.<sup>9</sup> A significant increase in any of the tripend parameters such as population can be used to readjust the basic tripend equations. Therefore, tripend generation analysis has been very useful to the transportation planner in determining transportation requirements. In the next section, the scope of this particular trip generation analysis is specified.

### Scope

The thesis was limited to research and analysis of the ground passenger transportation modes of car, truck, and bus in Montgomery and Greene Counties in Ohio. Figure 6, page 17, depicts the analysis area covered in this thesis. It did not, however, address itself to the present political conditions, zoning laws, or fiscal requirements necessary to implement and support the conclusions of this study. Furthermore, the thesis did not define the traffic control systems or networks needed to satisfy the transportation requirements in these two counties. Only internal production and attraction of trips within these counties were studied. Internal trips (i. e. tripends that originate and terminate

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<sup>9</sup>Mr. Ron Rude, Transportation Planner, Montgomery and Greene Counties Transportation Coordinating Committee, in a personal interview, June, 1971. Permission to quote secured.

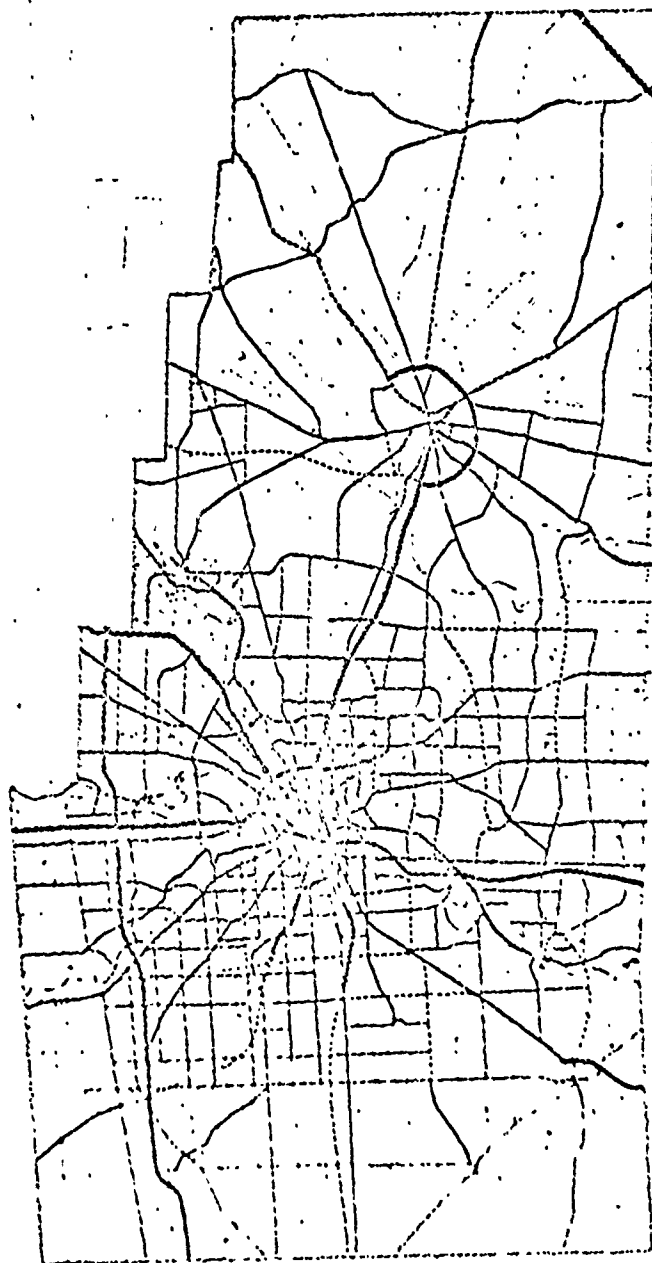


Figure 6

Area Ground Map of Montgomery and Greene Counties, Ohio, 1968,  
Depicting Road Networks Studied in the TCC's 1968  
Origin-Destination Survey

Source: Montgomery and Greene County Transportation Coordinating Committee.

within the two counties) were analyzed because they comprised from eighty to ninety percent of the movements in a study area as determined in previous transportation studies.<sup>10</sup> This research effort was restricted to determining tripend volumes and the relationships various socio-economic factors have upon tripend production. These socio-economic factors were occupation, population density, employment density, car ownership, school enrollment, and dwelling units per zone.

### Objectives

The following were the objectives of this thesis:

1. To extract selected trip generation characteristics from the 1968 TCC Origin-Destination Survey.
2. To identify and quantify the tripends in Montgomery and Greene Counties.
3. To provide equations for estimating tripends for zones within Montgomery and Greene Counties.

From these objectives the following hypotheses were developed.

### Hypotheses

1. The socio-economic characteristics of occupation, population density, employment density, car ownership, school enrollment,

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<sup>10</sup> U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 51.

and dwelling units per zone are all significant for use as predictors of both tripend productions and attractions in Montgomery and Greene Counties.

2. There are differences between variables in predicting tripends in Montgomery and Greene Counties.

## Chapter 2

### METHODOLOGY

#### Nature and Source of Data

The data used to test the hypotheses was obtained from the 1968 Montgomery and Greene Counties Transportation Coordinating Committee (TCC) Origin and Destination (O-D) Survey. The request for and authority to use this data is cited in Appendix A. The survey consisted of a systematic random sample of one out of every fifteen households in Montgomery and Greene Counties. For the study the TCC divided the area into 825 traffic zones. The data collected was gathered through home interviews with a response rate of 93.5 percent. Appendix B contains the forms used for this interview. The data was stored on an 800 Binary Coded Digit, nine track magnetic IBM tape. The separation of this data into different categories is contained in Appendix C. Appendix D contains a printout of the first 100 records on the tape arrayed in the format specified in Appendix C. The TCC completed validation of this data prior to the beginning of this thesis. Despite this assurance, the authors ran their own validation program and found errors in the TCC tape. These errors were mainly the result of inaccurate keypunching when the tape was made. All of the errors on the tape, which totaled to forty, were corrected by means of an edit

computer program.

The 1968 O-D survey data is recent in terms of transportation studies since O-D data for forecasting transportation requirements usually lag analysis by five to seven years. For example, the results of the 1965 Montgomery and Greene Counties Transportation Plan were based on an O-D survey that was seven years old. As has been previously stated, the results of trip generation analysis are usually valid for forecasting transportation requirements up to ten years. Only the occurrence of unexpected events such as the emergence of new manufacturing, recreational, commercial, or residential centers or a natural disaster in a zone can invalidate trip generation equations. If the magnitude of these events was not too extreme, the equations could still be used. The major reason for trip generation equations to remain valid for such a long time is that socio-economic characteristics of an area do not usually change rapidly with respect to time.<sup>1</sup> Characteristics such as dwelling unit density, employee density, and number of cars owned per person remain fairly constant in time. Therefore trip generation equations remain valid as long as these characteristics remain fairly stable. In order to properly produce trip generation equations a logical method of classifying and extracting the data was required.

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<sup>1</sup>Mr. Ron Rude, Transportation Planner, Montgomery and Greene Counties Transportation Coordinating Committee, in a personal interview, June, 1971. Permission to quote secured.

### Classification and Extraction of Data

The data stored on computer tape was arranged on two cards. Card one contained household information while card two consisted of trips produced by each household. There were a total of 15,008 card ones and 123,874 card twos adding up to a total of 138,882 cards on the tape. Table 1, page 23, shows the independent and dependent variables used in this thesis. Since data for the survey was collected by households, the independent variables were sorted and accumulated by zones of residence. The dependent variables which reflected tripends were classified and aggregated according to one of two elements, the zones trips were produced in or zones trips were attracted to. Production and attraction tripends were categorized respectively into zones of origin and zones of destination. Furthermore, since the survey was based on a systematic sample of one of every fifteen households all the variables were multiplied by a zone of residence expansion factor. Most zones in the analysis had a factor near this figure. The complete computer program and its flowchart for the data extraction is included in Appendix F. The results of this extraction program are contained in Appendix G.

The tripends generated by each household were divided into eight different purposes for the production and attraction of trips. These different purposes are also listed in Table 1, page 23. Trips were divided into these various categories in order to generate tripend equations.

Table 1

Extraction of TCC 1968 Origin-Destination Survey Data into  
Independent and Dependent Variables Used in  
Trip Generation Analysis

A. Independent Variables that were Tested in Zonal Trip Generation Analysis	
Original Storage of Data	Arrangement and/or Extraction of Data
Units	Aggregate
1. Persons per household	Persons per zone
2. Automobiles per household	Cars per zone
3. Students per household	Students per zone
4. Employment per household	Employment per zone
5. Unemployment per household	Unemployment per zone
6. Selected occupations per household*	
a. Professional people per household	Professional people per zone
b. Protective people per household	Protective people per zone
7. Number of dwelling units	Dwelling units per zone
B. Dependent Variables that were Tested in Zonal Trip Generation Analysis	
Original Storage of Data	Arrangement and/or Extraction of Data
Units	Aggregate
Number of trips generated by household according to zones of origin and destination	Trips/Zone according to the following purposes
	1. Home
	2. Work
	3. Personal business
	4. Shopping
	5. School
	6. All other trips
	7. All trips

\*A further breakdown of the occupations related to professional and protective people appears in Appendix E.

## Data Analysis

In analyzing the data, only those zones that showed tripend activity with household data recorded in them were used. Zones that did not contain urban characteristics were deleted in the trip generation analysis.<sup>2</sup> A listing of the zones that showed tripend activity for each of the sixteen production and attraction dependent variables is contained in Appendix H.

After the initial screening process, a computer curve fit program ran all sixteen trip production and attraction purposes against the independent variables extracted from the TCC tape. This procedure calculated the coefficients of determination ( $r^2$ ) and also gave the least squares fit for four types of curves: linear, exponential, logarithmic, and hyperbolic. The coefficient of simple determination ( $r^2$ ) measures the amount of total variance in the dependent variable explained by the independent variable in the equation over that which could be explained by the meaning of the dependent variable alone. A value of  $r^2$  near  $\pm 1$  indicated a high degree of linear association. The criteria used in testing the  $r^2$  values was the selection of any variable having an  $r^2$  greater than .30. The reason behind this procedure was that if any value greater than this was chosen, a limited number of

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<sup>2</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 112.

variables would have been selected. However, additional criteria may be necessary in selecting the socio-economic variables.

From this analysis, the best curve fit of the relationships was selected in order to determine necessary transgenerations for the stepwise multiple regression analysis. These transgenerations basically transformed the nonlinear functions into the particular logarithmic, exponential, or hyperbolic function they applied to in order to achieve linearity.<sup>3</sup> The stepwise multiple regression analysis (SMRA) was the statistical technique used to develop the sixteen different equations predicting tripends by purpose. Five basic assumptions had to be satisfied in the multiple regression analysis in order to draw valid inferences and conclusions from the data. These included (1) Linearity, (2) Uniform scatter of deviations about the regression line, (3) Independence among the deviations, (4) Normal distribution of deviations about the regression line, and (5) Colinearity.<sup>4</sup> Additionally, it was assumed that all socio-economic characteristics tested in the analysis were homogeneous among zones and the majority of trips in the area studied originated from the home. In the past few years, multiple regression computer programs have made the development of trip generation equations a relatively fast "prepackaged" process if

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<sup>3</sup>William S. Spurr and Charles P. Bonini, Statistical Analysis for Business Decisions (Homewood, Illinois: Richard D. Irwin, Inc., 1967), p. 605.

<sup>4</sup>Ibid., p. 609.

an analyst has the proper computer and programmers available. While this permitted the development of multivariable equations, these programs resulted in the analyst becoming more disassociated from the data he was analyzing. As a result, complex equations were developed which were statistically adequate, but had little or no thought given to the reasonableness of the results. The University of California at Los Angeles Biomedical Series Stepwise Regression BMD02R program was the computer program used to generate the basic tripend equations.

Stepwise multiple regression analysis (SMRA) is similar to linear regression analysis. The major difference between these two analyses is that SMRA can produce an  $n$  dimensional relationship between independent variables and a single dependent variable.

Simple linear regression analysis is capable of producing only a two dimensional relationship. The following equations 2.1 and 2.2 illustrate these differences:

Sample Linear Regression Equation

$$(2.1) \quad Y = A + BX$$

Equation resulting from Stepwise Linear Regression Analysis using  $X_n$  independent factors.

$$(2.2) \quad Y = A + B_1X_1 + B_2X_2 + B_3X_3 \dots + B_nX_n$$

where

$Y$  = a dependent variable

$A$  = a constant

$B_n$  = coefficient of independent variables

SMRA generates individual relationships of the dependent variable to the independent variables and then successively adds variables to a regression equation with the objective of obtaining the best final equation. Variables continue to be added until the maximum step is reached, there are no more variables, or there are no more variables which satisfy the desired statistical tests.

A simple correlation matrix was a useful tool in evaluating variables for logical and causative associations. The coefficient of simple correlation was a measure of association between two variables and the matrix of these combinations gave the correlation coefficients for all possible combinations of variables.

Other useful statistics in the analysis included the multiple correlation coefficient ( $R$ ), the standard error of the estimate ( $Sy \cdot x$ ), and the  $t$  ratio test. The multiple correlation coefficient,  $R$ , indicated the degree of association between the independent and dependent variables in the tripend equations. The higher the value  $R$  is in measuring the equation results, the greater the reliability of the equation. The standard error of the estimate indicated the degree of variation of the data about the regression line. It measures the error to be expected in predicting the dependent variable from the independent variables in the equation. The  $t$  ratio, shown in equation 2.3,

calculates the  $t$  value for each independent variable in the regression equation.<sup>5</sup>

(2.3)

$$t_{b_i} = \frac{b_i}{S_{b_i}}$$

where

$t_{b_i}$  =  $t$  ratio test statistic

$b_i$  = the regression coefficient of an independent variable

$S_{b_i}$  = the standard error of the regression coefficient

Both elements needed to compute the  $t$  ratio are printed out in the stepwise regression analysis run. The result from this equation, the calculated  $t$  value, is compared against the  $t$  critical value for significance as described in the next section.

The next segment of the analysis consisted of SMRA runs using forced variables. These forced variables were basically the highest  $r^2$  obtained from the curve fit program or logical transportation relationships that have been found significant in previous trip generation analyses.<sup>6</sup> After these forced variables provided an indication of what the equations might be, additional SMRA runs were made with no restrictions on the order of the variables entering the equation. The

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<sup>5</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 84.

<sup>6</sup>Ibid., p. 95.

results of these combined stepwise multiple regression runs provided the basis for the final predictive production and attraction equations. The  $t$  significance test was then used to select significant independent variables for the various equations. Also at this stage the standard error of the estimate, multiple correlation coefficient, and the  $t$  ratio test were used as other indicators of the reliability of the predictive equations.

### Hypotheses Testing

A criteria in the hypotheses testing was the appropriate significance level. The .95 significance level on a  $t$  distribution was selected since prior and existing transportation studies used this level of significance.<sup>7</sup> Also the  $t$  test was used to determine whether the estimated coefficient was significantly different from some hypothesized value of the true regression coefficient ( $B_i$ ). Using a table of the  $t$  distribution, the null hypothesis ( $B_i = 0$ ) was rejected if the  $t$  statistic was greater than or equal to the  $t$  value of the table.<sup>8</sup> This test was conducted on each regression coefficient to indicate when any of the independent variables are of no further value in predicting values

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<sup>7</sup>Mr. Ron Rude, Transportation Planner, Montgomery and Greene Counties Transportation Coordinating Committee, in a personal interview, June, 1971. Permission to quote secured.

<sup>8</sup>Spurr and Bonini, Statistical Analysis for Business Decisions (Homewood, Illinois: Richard D. Irwin, Inc., 1967), p. 608.

of the dependent variable. Any independent variable whose regression coefficient did not meet the  $t$  test was eliminated from the equations as an indication that the variable did not have a significant relationship with the dependent variable.

The first hypothesis ("The socio-economic characteristics of occupation, population density, employment density, car ownership, school enrollment, and dwelling units per zone are all significant for use as predictors of both tripend productions and attractions in Montgomery and Greene Counties.") was tested through use of the  $t$  test. If the socio-economic characteristics previously stated were significant for use as predictors of tripends, their  $t$  statistical value was greater than or equal to the  $t$  critical value at the .05 significance level. The absence of any hypothesized factors in these equations indicated that these factors did not have a significant relationship on the generation of tripends.

The second hypothesis ("There are differences between variables in predicting tripends in Montgomery and Greene Counties.") was tested using the beta coefficient ( $\beta$ ). The beta coefficient gives a direct measure of the relative importance of independent variables in a predictive equation. The formula for the beta coefficient is shown in Equation 2.4.<sup>9</sup>

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<sup>9</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 85.

$$(2.4) \quad \beta_i = \frac{b_i S_{x_i}}{S_y}$$

where

$\beta_i$  = the beta coefficient

$b_i$  = the regression coefficient for the  $i$ th independent variable

$S_{x_i}$  = the standard deviation of the  $i$ th dependent variable

$S_y$  = the standard deviation of the dependent variable

Thus this statistic provided the basis for proving that differences do exist between the independent variables.

#### Reasonableness of Results of the Analysis

The situation that faced the authors was one of making a competent selection of variables to be included in the analysis from many possibilities. A corollary to the problem was the task of selecting the proper functional bivariate relationships. Since these relationships were not readily discernible, the authors relied on scatter diagrams and a least squares curve fit generated by a computer operated cathode ray tube on the raw data. When non-linear relationships were identifiable, the independent variable(s) were transferred into logarithmic or power functions so that the relationships became linear. Total reliance was not placed on scatter diagrams alone, however, since the relationship represented between two variables usually changes when a third variable is added.

In the selection of independent variables, the logic of the proposed relationship was considered. Variables which appeared to be most reasonably related to the dependent variable were considered for analysis.<sup>10</sup> For example, employment is a more logical attractor rather than producer of tripends. This choice was based on some subjective reasoning rather than relying on the computer program alone to sift the data and find a relationship. In the case of SMRA, the computer, at each step, entered the variable which provided the greatest reduction in the residual sum of the squares into the equation. The procedure considered only the associative relationship between the independent and dependent variables. Such relationships might have been caused by chance. Thus, the authors used variables which reflected casual relationships as well. For example, it was expected that the characteristics which described the household contributed positively to the production of home based vehicle trip productions. On the other hand, an equation for transit trip production might have a negative correlation with the dependent variable. This assumed that on the average, as car ownership decreased, transit trips increased. Therefore, the logical nature of the relationships was considered prior to developing the regression equations.

The colinearity of the variables was also checked for

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<sup>10</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 28.

reasonableness of results of the analysis. Colinearity or correlation between two independent variables in multiple regression can have a great effect on the standard error of the regression coefficient. When two independent variables are highly correlated the net regression coefficient may be unreliable.<sup>11</sup> A solution to this problem is to eliminate the independent variable which is considered less important to the equation. In this way colinearity was used as a check towards the reliability of the individual variables in the regression analysis.

Another method of determining reasonableness of results was the graphs of residual values of the particular dependent variable tested against its significant independent variable. These plots provided a check of the standard error of the estimate in the predictive equations. These graphs indicated how well the values were scattered around the regression equation. In this manner then, the graphs were another measure of the reasonableness of results of the analysis.

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<sup>11</sup> Spurr and Bonini, Statistical Analysis for Business Decisions (Homewood, Illinois: Richard D. Irwin, Inc., 1967), p. 610.

## Chapter 3

### ANALYSIS

The analysis chapter of the thesis is divided into three parts. The first part consists of the results of a curve fit analysis of socio-economic factors. The generation of significant equations from these factors forms the second portion of the analysis. The final section consists of detailed analysis and implications of the significant predictive equations.

#### Curve Fit Analysis of Socio-Economic Factors

The first step in analysis of the data was the curve testing of all independent variables against the sixteen trip purposes for production and attraction equations on a bivariate or two variable basis. The results of this test displaying the best least squares curve fit and highest coefficients of determination of these relationships are presented in Tables 2 and 3 on pages 35 and 36. Next, logical relationships among the independent variables and the different trip purposes (dependent variables) as well as relationships from coefficients of determination ( $r^2$ ), were tested in the stepwise multiple regression analysis program (SMRA). Two criteria were used in testing the  $r^2$  values. The primary criterion was the selection of any variable

Table 2

Bivariate Coefficients of Determination ( $r^2$ ) for Production  
Tripend by Purpose and Socio-Economic Characteristics

	Cars		Persons		Employment		Professional		Protective		Students		Employment		Dwelling	
	Lin	Hyp	Lin	Hyp	Lin	Hyp	Log	Hyp	Log	Hyp	Log	Hyp	Log	Hyp	Lin	Units
Home	.94		.92		.89		.89		.89		.90		.10		.83	
Work	.004	Hyp	.002		.001	Lin	.0003	Hyp	.04	Lin	.002	Hyp	.02	Hyp	.004	Lin
Personal Business	.12	Lin	.12		.14	Lin	.03	Lin	.03	Lin	.10	Lin	.12	Lin	.15	Lin
Shopping	.002	Lin	.0005		.008	Lin	.001	Hyp	.001	Hyp	.005	Lin	.004	Lin	.007	Hyp
Social Recreational	.31	Lin	.31		.36	Log	.36	Log	.36	Log	.31	Log	.03	Log	.36	Log
School	.04	Hyp	.006		.04	Hyp	.04	Hyp	.04	Hyp	.05	Lin	.06	Lin	.04	Hyp
All Others	.26	Lin	.25		.28	Exp	.25	Log	.25	Log	.19	Exp	.03	Log	.31	Log
All Purposes	.51	Lin	.52		.59	Log	.59	Log	.59	Log	.52	Log	.08	Log	.51	Lin

Socio-Economic Characteristics (Independent Variable)

Key to Type of Curve: Lin = Linear Exp = Exponential Log = Logarithmic Hyp = Hyperbolic

Table 3

Bivariate Coefficients of Determination ( $r^2$ ) for Attraction  
Triponds by Purpose and Socio-Economic Characteristics

	Cars		Persons		Employment		Professional		Protective		Students		Employ-		Dwelling	
	Lin	Hyp	Lin	Hyp	Log	Lin	Log	Hyp	Log	Lin	Log	Hyp	Log	Lin	Log	Lin
Home	.94		.92		.89		.89		.89		.76		.11		.83	
Work		Hyp		Lin				Hyp		Lin		Hyp		Lin		
	.004		.0001		.001		.0003		.05		.003		.02		.004	
Personal		Lin		Lin			Lin		Lin		Lin		Hyp		Lin	
Business	.12		.12		.14		.04		.03		.10		.003		.15	
Shopping		Lin		Lin			Hyp		Hyp		Lin		Lin		Lin	
	.002		.001		.009		.001		.001		.01		.004		.001	
Social		Log		Log			Log		Log		Log		Hyp		Log	
Recreational	.37		.35		.37		.37		.37		.31		.04		.41	
School		Lin		Lin			Lin		Lin		Lin		Lin		Log	
	.004		.007		.003		.01		.005		.05		.06		.006	
All Others		Exp		Exp			Log		Log		Log		Log		Log	
	.27		.25		.27		.26		.26		.20		.03		.31	
All Purposes		Lin		Log			Log		Log		Log		Log		Lin	
	.51		.52		.59		.59		.59		.52		.08		.51	

Socio-Economic Characteristics (Independent Variable)

Key to Type of Curve: Lin = Linear Exp = Exponential Log = Logarithmic Hyp = Hyperbolic

having an  $r^2$  greater than .30. If the first criterion could not be met, the two highest  $r^2$ 's for the particular purpose examined were chosen. An  $r^2$  of .30 and higher was chosen in order to provide a level sufficient both for variable generation and variable selection. To illustrate this point, only one-third of the values in both the attraction and production tables had  $r^2$ 's greater than .30.

In order that the proper functions would be tested for the correct predictive equations, the curve functions from the curve fit program were transgenerated in the SMRA program. In analyzing 825 zones in the area studied, an incorrect inference could be made by assuming complete linearity among variables in the various predictive equations. This limitation was accounted for in the program by the previously mentioned step. Also it should be noted that the stepwise regression program did not compute the exponential power as the power of this function approached zero. For example, the power of several exponential functions analyzed was .0018, beyond the capabilities of the stepwise regression program. Therefore in each instance where this occurred in the curve fit program, the second highest coefficient of determination was substituted for the exponential function. In all cases where this was applied, the differences were slight and in no instance did they affect the final predictive equations.

### Generation of Equations from the Socio-Economic Factors

The second step of forcing variables into the equation provided some benefit to the analysis. Two criteria used in forcing variables were: (1) the logical relationships of the independent variables to the particular dependent variable trip purposes and (2) the highest coefficients of determination among the independent variables. However, the logical relationships that were forced did not prove successful. Among these relationships were: home work trip productions and attractions related to employment per zone; home shopping trip production and attractions related to cars and persons per zone; employment per zone as an attractor of trips to the home; and persons per zone as a strong indicator toward home social recreational trip attraction. These forced logical relationships represented some of the significant variables the Department of Transportation had found in tripend prediction through their years of research in the area.<sup>1</sup> Of all forced logical relationships tested, none were significant at the study's predetermined significance level of .95.

Forcing the equations as a result of the curve fit program gave much better outcomes. Of the eleven predictive equations where high  $r^2$  independent variables were forced, seven produced significant independent variables. Furthermore, of the remaining four predictive

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<sup>1</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 44.

equations which did not produce significant variables, two had no significant independent variables in them and were consequently eliminated as predictive equations. The only two equations where the highest coefficient of determination through curve fit analysis did not prove important was all home based production and attraction trips. In these equations the highest  $r^2$  showed that three variables should be forced: total employment per zone, professional persons per zone, and protective persons per zone. This may well seem unreasonable for the productive equation, since employment and occupations are normally considered better attractors than producers of tripends. However for the attraction equation other than the dominant influence of the variable, cars, no additional reasonable explanation of this result can be given. Therefore use of the curve fit program with some reasonable idea of pertinent relationships would appear to give the researcher a place from which to start in trip generation analysis.

After forcing of the variables was concluded and compared against the  $t$  critical value to determine significant variables, the first hypothesis was tested. Eleven of the sixteen equations produced one or more significant socio-economic characteristics. While these equations were statistically correct, one could question a few in regard to their reasonableness. Although possessing significant socio-economic characteristics, attraction equations did not appear to provide realistic variables whereas production equations did. However, taking the hypothesized socio-economic characteristics as a whole,

four of the eight characteristics appeared in one or more equations. Only employment per zone, protective persons per zone, unemployment per zone, and dwelling units per zone were not significant among the socio-economic characteristics hypothesized. One-half of the characteristics were significant which points to possible hypotheses concerning these four. In this light, cars appeared as a significant variable in eight of the eleven predictive equations. Therefore, the first hypothesis can be rejected--not all socio-economic characteristics are significant as predictors of production and attraction tripends in the area studied.

After testing the first hypothesis, additional stepwise regression runs were made allowing a natural addition or deletion of variables in order to obtain the best final predictive equations. The results from these particular runs, which are explained in the next section of this chapter formed the basic predictive equations found in Tables 4 and 5 on pages 41 and 42. At this point, the second hypothesis was examined. Testing for the second hypothesis was accomplished through use of the beta coefficient which provides a direct measure of the relative importance of independent variables in the multivariate equations to which it applied. The results of this testing appear in Table 6, page 43. In testing the three multivariate equations in the analysis, cars which appeared in every equation was found to be different than the other particular variable in the equations. In all

Table 4  
Significant Production Equations for Predicting  
Tripends Per Zone

Home Based Trips*	=	- 5.60 + 1.60 (cars) + .42 (persons)
Work Trips	=	211.40 + $\frac{37,552.88}{\text{cars}}$
Social Recreational Trips	=	317.02 + .30 (cars) - 110.17 log (professionals)
School Trips	=	121.87 + .11 (students)
All Other Trips	=	- 20.99 + .59 (cars)
All Trips	=	195.88 + 3.87 (cars)

\*All units are per zone

Table 5

Significant Attraction Equations for Predicting  
Tripends Per Zone

Home Based Trips*	=	- 45.35 + 1.65 (cars) + .41 (persons)
Work Trips	=	209.83 + $\frac{37,797.42}{\text{cars}}$
School Trips	=	147.14 + .10 (students)
All Other Trips	=	- 2.19 + .23 (persons)
All Trips	=	668.84 + 3.89 (cars)

\*All units are per zone

Table 6

Comparison of the Significant Independent Variables in  
Multivariate Tripend Equations Using  
Beta Coefficients

		<u>B Coefficients</u>	
		<u>Cars</u>	<u>Persons</u>
Home Based Trip Productions	= - 5.60 + 1.60 (cars) + .42 (persons)	.62	.37
Social Recreational Trip Productions	= 317.02 + .30 (cars) - 110.17 log (professionals)	.68	.23
Home Based Trip Attractions	= - 45.35 + 1.65 (cars) + .41 (persons)	.63	.36

cases, cars per zone had at least a two to one ratio compared to its associate variable in the equations. Two of the three equations were entirely linear relationships while the third, social recreational trip production, had a linear and logarithmic function. This simple yet useful statistic, the beta coefficient, proved the second hypothesis to be correct--differences among the significant independent variables did exist.

After the second hypothesis was tested, the analysis was divided into production and attraction trip end equations. Using this segmentation, six production and five attraction equations were found significant at the .05 level. The production and attraction equations are listed in Tables 4 and 5 on pages 41 and 42.

#### Production Equations

The six significant production trip ends included the following purposes: trips from home, work, social recreational, school, all other home trip productions, and all home trip productions.

#### Analysis

The equation predicting trips from home provided two significant variables, cars per zone and persons per zone. Each variable surpassed the  $t$  critical value of 1.67 for 79 cases in the stepwise multiple regression program as seen in Table 7, page 45. The multiple correlation coefficient ( $R$ ) was significantly high at .98 while the

Table 7  
Stepwise Multiple Regression Analysis Results for  
Production Tripend Equations

Production Tripends per zone by Purpose	Significant Socio-Economic Characteristics per zone	Calculated t Values	Step Variable Entered Equation	Sample Size	T Critical Value	Multiple Correlation Coefficient R	Standard error of estimate Sy · x
Home	Cars Persons	7.18	1	79	1.67	.97	305.92
		3.67	2			.98	256.23
Work	Cars	2.20	1	77	1.67	.09	340.74
Personal Business	None			79	1.67		
Shopping	None			63	1.67		
Social Recreational	Cars Professionals	3.36	1	79	1.67	.55	170.77
		2.25	2			.59	166.89
School	Students	2.20	1	52	1.68	.30	382.30
All Others	Cars Employment*	3.71	1	77	1.67	.69	283.49
		1.81	2			.70	281.77
All Purposes	Cars	3.93	1	79	1.67	.85	1137.39

\*Eliminated because of high colinearity with cars per zone

standard error of the estimate ( $Sy \cdot x$ ) was 256.23. The second figure can be explained by the magnitude of the data in this study. For such a large number of tripends as can be found in this analysis, a range of numbers for the standard error of the estimate between 166.89 and 1137.39 seems insignificant. Another credible point was the plot of the residual values of Y against the significant variables for all the predictive equations. The graphs indicated for all equations that the assumptions for multiple regression analysis had been met. In the trip purposes categories of work, and all trips, only cars in each case was found to be the significant independent variable. The calculated t value for all trips was somewhat similar in value and yet larger than that for work. The multiple correlation coefficient was .09 for work compared to .85 for all. Once again the standard error of the estimate was in the range of 150-400. A difference existed only in the case of all trip purposes. This particular standard error of the estimate could logically be explained by the fact that all categories were totaled for the dependent variable, all trip purposes. Cars was also the significant variable in the predictive equation for all other trip purposes. In the table of production equations, employment per zone was also listed as a significant variable due to colinearity between cars and employment per zone. In the correlation matrix for this particular production equation, the correlation between the two was .843 while correlations of cars and employment per zone to the dependent variable was only .695 and .524 respectively. Since the

cars variable entered the equation first and had the highest  $t$  ratio, employment was determined to be the variable less important to the equation. While other variables had colinearity in both production and attraction equations, this particular equation was the only one whose colinearity did affect the significant variables in the equation. School as a trip production had students per zone as its only significant independent variable. The  $R$  value was one of the lowest for productions .30 as well as a higher value of the standard error of the estimate 382.30 as previously discussed. For this purpose the fact that the  $t$  ratio was the lowest to pass the  $t$  critical value can explain these particular values for  $R$  and  $S_y \cdot x$ . The social recreational trip production produced two significant independent variables, cars and professional people per zone. While cars per zone was not an unexpected significant variable, professional people per zone provided a mild surprise. This particular variable added an  $R$  value of .59 and a low value of 166.89 to the equation. Personal business and shopping for trip productions did not uncover any significant independent variables. From the stepwise regression analysis results comes the basic predictive trip production equations listed in Table 4, page 41.

#### Implications

In nearly all of these equations, four of six to be exact, every independent variable was linear. The only exceptions to these were home work trip productions with cars as a hyperbolic function and the

social recreational trip production where one of the two significant variables, professional people per zone, was a logarithmic function. The independent variable or variables in each production purpose equation were quite logical and confirmed past transportation studies on household data. In this regard, the variables were similar to a nationwide study of household data by the University of Michigan.<sup>2</sup> However, in the same light, the emergence of professional people per zone in the Montgomery and Greene Counties region implied the need for updating of significant socio-economic characteristics. Professional people may well be the leaders in today's mobile society in regards to social and recreational trips. In many instances, present day professional people take days off to enjoy themselves. Therefore this particular variable's relevance toward social recreational trips appears logical. The continual presence of cars in the production equations is another indication of how mobile our present day society is over past generations. Persons as a significant variable for home based trips bear out the assumption that the more people in a household, the more trips made from that home. Finally students appear to be a plausible, significant variable in predicting production of trips to school. This is an indication of several factors that have emerged in today's society. The first factor is the practice of mothers driving

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<sup>2</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 70.

grade school children to school. The second factor is that many high school students drive their own cars to school today. A final factor can be traced to the decline of the neighborhood school in the suburbs. This factor requires busing school children over the same distances walked by previous generations. Therefore, this variable as all the others previously mentioned in production trip end purposes is quite logical. As for the attraction equations, they were found to be similar to the generated production equations.

#### Attraction Equations

Stepwise regression analysis results for the attraction equations are contained in Table 8, page 50. The five significant attraction trip ends included the following purposes: trips to home, work, school, all other trips, and all home trip attractions.

#### Analysis

Trip attractions to home had two significant independent variables, cars and persons per zone. The multiple correlation coefficient,  $R$ , was quite high at .98 and the standard error of the estimate ( $Sy \cdot x$ ) was 258.48, the lowest value of all the predictive attraction equations as seen in the table. The data was similar to the results of the trips from home production equation although the  $t$  ratios for the variables in the attraction equation, taken together, were higher. All other significant attraction equations had only one independent variable: students for school attraction, persons for all other trip attractions,

Table 8  
Stepwise Multiple Regression Analysis Results for  
Attraction Tripend Equations

Production Tripends per zone by Purpose	Significant Socio-Economic Characteristics per zone	Calculated t Values	Step Variable Entered Equation	Sample Size	T Critical Value	Multiple		Standard error of estimate Sy · x
						Correlation Coefficient R	Correlation Coefficient R	
Home	Cars Persons	6.91	1	79	1.67	.97		385.87
		5.23	2			.98		258.48
Work	Cars	1.90	1	77	1.67	.09		340.08
Personal Business	None			79	1.67			
Shopping	None			64	1.67			
Social Recreational	None			79	1.67			
School	Students	1.93	1	51	1.68	.26		405.21
All Others	Persons	3.02	1	77	1.67	.62		307.08
All Purposes	Cars	3.61	1	79	1.67	.85		1136.58

and cars for both work and all trip attraction purposes. The  $t$  ratio for students in school attraction tripends and cars in work attraction tripends were both barely above the  $t$  critical value and had the two highest standard errors of the estimates outside of all trip attractions. This again, was somewhat similar to the production results in this particular trip purpose. The predictive equation for all trip attractions produced the second highest value of  $R$  among the attraction equations .85 but also gave the highest standard error of the estimate for both production and attraction equations. Again this high value appeared to be the result of pooling all trip attraction purposes as previously mentioned for all production trip purposes. Persons per zone was the significant variable in the predictive equation for all other trip purposes. The other trip attractions: personal business, shopping, and recreational trips did not contain any significant variables. From this stepwise regression analysis, the basic predictive attraction tripends equations are found in Table 5, page 42.

### Implications

Four of the five equations had linear relationships. The only exception was the work trip attraction equation where the significant variable, cars, was a hyperbolic function. The variables that appeared in the attraction equations seemed somewhat illogical as attractors of tripends. For example, in nearly all cases, cars is not an attractor in transportation studies. However, statistically in the

analysis this socio-economic characteristic was the predominant significant variable. Normally, cars are better predictors of production tripends. From this, one might reason that if better attraction variables had been taken in the study, cars might not have dominated the attraction equations. For example, improved attraction variables could be square footage of warehouse, office and retail space, number of retail workers, number of theater seats available in the area surveyed, and number of people served by fast food franchises in the area. In almost every case the attraction equation results appeared similar to the production equations. This points to several possible findings. One is that either production or attraction equations are not totally logical. Additionally, since the survey was household oriented, the production equations from origin trips would appear to be more logical than the attraction equations. Also it appeared that it was unnecessary for this survey to break down trip purposes into eight different categories. Five of the sixteen equations had no significant variables. This indicated that trip purposes may have been overstratified for this particular survey. In smaller areas (under 100,000 population) three trip purpose categories have been used successfully: home based work, home based other and non-home based trips.<sup>3</sup>

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<sup>3</sup> U. S. Department of Transportation / Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 44.

### Summary of Findings

In this chapter eight trip purposes extracted from the 1968 TCC Origin-Destination Survey were tested for production and attraction equations at the .05 significance level using the  $t$  significance test. After the significant production and attraction equations were found, the two hypotheses in the thesis were examined.

1. The first hypothesis was that the socio-economic characteristics of occupation, population density, employment density, car ownership, school enrollment, and dwelling units per zone are all significant predictors of both tripend productions and attractions in Montgomery and Greene Counties. This hypothesis was tested using the  $t$  significance test. However, only four of the eight characteristics appeared in one or more of the equations. Therefore, the first hypothesis was rejected--not all socio-economic characteristics were significant for use as predictors of both tripends and attractions.

2. The second hypothesis stated that there were differences between variables in predicting tripends in Montgomery and Greene Counties. This hypothesis was tested using the beta coefficient. The results of the test proved that the hypothesis could not be rejected. Differences between significant independent variables did exist.

3. Six significant production tripend equations were found for the following purposes: trips from home, work, social recreational, school, all other home trip productions, and all home trip productions. Trips from home provided two significant variables, cars per zone and

persons per zone. In the trip purpose categories of work, all other trips and all trips, only cars was found to be the significant independent variable. In the case of all other trip productions, colinearity appeared between two variables, cars and employment. Since employment was determined to be the variable less important to the equation it was eliminated. School as a trip production had students per zone as its only significant independent variable. The social recreational trip production also produced two significant independent variables, cars and professional people per zone.

4. Five attraction trip end equations were found significant for the following purposes: trips to home, work, school, all other trips, and all home trip attractions. Trip attractions to home had two significant independent variables, cars and persons per zone. All other significant attraction equations had only one independent variable: students for school attraction, persons for all other trip attractions, and cars for both work and all trip attraction purposes. All other trip purposes, personal business and shopping in both production and attraction trip ends, and social recreational trip attractions did not contain any significant variables.

## Chapter 4

### SUMMARY, FINDINGS, AND CONCLUSIONS

#### Summary

Developing any regional transportation system is an uncertain and costly undertaking. The fixed elements of a highway network or mass transit scheme are very difficult and expensive to change. Therefore, an intensive problem analysis should precede the design of any transportation system. In order that this may be properly performed, the factors that affect ground passenger transportation must be quantified and related. In this thesis the area surrounding Wright-Patterson Air Force Base, Greene and Montgomery Counties, Ohio was examined in this respect.

The research effort had three basic objectives: (1) to extract selected trip generation characteristics from the 1968 TCC Origin-Destination Survey, (2) to identify and quantify the tripends in Montgomery and Greene Counties, and (3) to provide equations for estimating tripends for zones within Montgomery and Greene Counties. The research effort was restricted to tripend volumes and the relationships various socio-economic factors have upon tripend production. These socio-economic factors were occupation, population density, employment density, car ownership, school enrollment, and dwelling

units, all expressed per zone. From these factors the following hypotheses were examined: (1) All socio-economic characteristics analyzed are significant as predictors of production and attraction tripends in Montgomery and Greene Counties and (2) Differences among the significant independent variables do exist.

The methodology used in the research effort consisted of two parts. The first part was a curve fit analysis of the socio-economic factors hypothesized. The curve fit program provided a best least squares curve fit of all independent variables against sixteen trip purposes for production and attraction equations on a bivariate or two variable basis. From this part, equations were generated from the various socio-economic factors using a stepwise multiple regression program. The significant variables from among these socio-economic factors were then determined through use of the *t* significance test. The first hypothesis was examined by use of this test. In order to test the second hypothesis concerning differences between significant variables, the beta coefficient was used. The findings from this procedure are presented in the next section.

### Findings

1. The first hypothesis was that the socio-economic characteristics of occupation, population density, employment density, car ownership, school enrollment, and dwelling units per zone are all significant predictors of both tripend productions and attractions in

Montgomery and Greene Counties. Only four of the eight characteristics appeared in one or more of the predictive equations. Therefore the first hypothesis was rejected--not all socio-economic characteristics were significant for use as predictors of both tripends and attractions.

2. The second hypothesis stated there were differences between variables in predicting tripends in Montgomery and Greene Counties. The results of this test using the beta coefficient proved that the hypothesis could not be rejected. Differences between significant independent variables did exist.

3. Six significant production tripend equations were found for the following purposes: trips from home, work, social recreational, school, all other home trip productions, and all home trip productions. Trips from home provided two significant variables, cars per zone and persons per zone. In the trip purposes categories of work, all other trips and all trips, only cars was found to be the significant independent variable. In the case of all other trip productions colinearity appeared between two variables, cars and employment. Since employment was determined to be the variable less important to the equation it was eliminated. School as a trip production had students per zone as its only significant independent variable. The social recreational trip production also produced two significant independent variables, cars and professional people per zone.

4. Five attraction tripend equations were found significant for the following purposes: trips to home, work, school, all other trips, and all home trip attractions. Trip attractions to home had two significant independent variables, cars and persons per zone. All other significant attraction equations had only one independent variable: students for school attraction, persons for all other trip attractions, and cars for both work and all trip attraction purposes. All other trip purposes, personal business and shopping in both production and attraction tripends and social recreational trip attractions, did not contain any significant variables.

From these findings, the following conclusions were reached.

#### Conclusions

1. Design of the Survey. --As mentioned in the summary an intensive problem analysis should precede the design of any transportation system. In the 1968 TCC study a complete design of the survey did not appear to be performed which caused several problems. First, an overstratification of data was evident in both the number of zones used in the survey and the type of socio-economic information collected. In the Pittsburgh and Chicago Area Transportation Studies (PATS & CATS) where 1.47 million and 6.8 million people in the area were covered in the studies respectively, only 226 and 582 zones were used for analysis. Furthermore PATS had 420 square miles in their study

while CATS included 1236 square miles.<sup>1</sup> For 700,000 people and 881 square miles in the Montgomery and Greene Counties region in 1968, 825 zones for the TCC study would not seem to follow suit. Many of the socio-economic characteristics were too finely segmented to produce truly reliable equations. Data which are "cut too thin" produce mean numbers of trips of small magnitude (with correspondingly high sampling variation) but the number of observations in each analysis area [zone] may be insufficient to obtain reliable estimates.<sup>2</sup> In this same light, inspection of the data indicated a lack of homogeneity among zones. Many zones in the analysis had no tripends or socio-economic characteristics recorded. For example, zone numbers 2127, 6516, and 9313 in Appendix G did not contain data values on any characteristics. Better descriptions of trip purposes should have been utilized in the survey questionnaire. For example in considering social recreational trips very specific purposes for origins and destinations would have been desirable. Correspondingly, trips to parks, movies, and restaurants would provide better insight into this particular trip purpose. Also related to the design of the survey was the finding that

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<sup>1</sup>U. S. Department of Transportation/Office of Highway Planning, Modal Split (Washington: Government Printing Office, 1966), pp. 7, 16.

<sup>2</sup>U. S. Department of Transportation/Bureau of Public Roads, Guidelines for Trip Generation Analysis (Washington: Government Printing Office, 1967), p. 44.

the significant predictive equations contained many variables which were oriented to production of trips. In this sense cars per zone was the major variable in the predictive equations. If better attraction variables had been selected in the initial design, cars might not have so totally dominated the predictive equations. Additionally since the survey was household oriented, the production equations would appear to be more reasonable than the attraction equations.

2. Statistical Analysis Used in Trip Generation. --During the past few years multiple regression computer programs have made the development of trip generation equations a relatively fast "pre-packaged" process. While this permitted the development of multivariable equations, these programs resulted in the analyst becoming more disassociated from the data. As a result, complex equations were developed which were statistically adequate but had little or no thought given to the reasonableness of the results. This situation appears to be the case in the Department of Transportation studies in trip generation analysis. The statistical techniques used are simple and useful, yet more rigorous procedures appear to be needed. An illustration of this is that no check can be made for predictive equations when the data is collected once every ten years. A method is presently needed to verify the accuracy of these predictive equations. As more experience and knowledge is gained in this relatively new area, the statistical techniques are certain to improve. Also it remains important to

pretest the study area and survey questionnaire in order to determine which socio-economic characteristics should be collected in the actual survey. This procedure will conserve not only time, but tend to produce more meaningful results.

3. Immediate Need to Analyze Trip Generation Analysis. --In today's rapidly changing environment, there is a continual need in trip generation analysis to keep up with changes in the character and intensity of land use, population distribution and other pertinent socio-economic characteristics. In this atmosphere it is mandatory that immediate analysis be made on the most recent surveys conducted in the areas studied. Most origin and destination studies usually lag analysis by five to seven years. This procedure must be reversed in order to deal effectively with designing transportation networks needed to service present as well as future populations.

4. Emergence of New Attractors in the Montgomery and Greene Counties region. --The emergence of new manufacturing, recreational, commercial, or residential centers can invalidate trip generation equations. For example, two major shopping centers, the Dayton and Upper Valley Malls, have opened in the area studied since the TCC Survey was conducted. The tripends attracted to these centers can significantly alter the predictive equations found in this analysis. This points to the need for constant reevaluation of the predictive equations for these significant influences.

APPENDIX A

CORRESPONDENCE BETWEEN THE SCHOOL OF SYSTEMS AND  
LOGISTICS AND THE MONTGOMERY AND GREENE COUNTY  
TRANSPORTATION COORDINATING COMMITTEE

62

CAPTAINS BARRY & BOWN

7 JUL 1971

Mr. Jack Jensen  
Acting Executive Director  
Montgomery & Greene County Transportation  
Coordinating Committee  
32 North Main Street  
Dayton, Ohio 45402


Dear Mr. Jensen

Captains John Barry and Philip Bown are preparing a thesis entitled, "Analysis of Trip Generation Factors Involved in Ground Passenger Transportation within Montgomery and Greene Counties." This thesis is a requirement towards a Master of Science Degree in Logistics Management from the School of Systems and Logistics at Wright-Patterson AFB.

They are requesting a copy of your 1968 Origin-Destination survey data which is stored on computer tape. They have informally coordinated this request through Mr. Rude of your office. If it is agreeable with you, we will cut a duplicate tape of this data on one of our IBM 360 computers. We have confirmed that your tapes are compatible with our equipment. Your tape will be duplicated by a qualified computer operator. The data extracted from your 1968 Origin-Destination survey will receive full acknowledgment in this thesis.

In addition to providing the basic data for the thesis effort, we expect this thesis to be of benefit to the transit committee and thus the citizens of the Dayton area. Thank you for your time and assistance.

Cordially,

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best available copy. 

RAY W. ALVORD, Colonel, USAF  
Chief, Graduate Education Division  
School of Systems and Logistics

July 15, 1971

CHARLES V. SIMMS, CHAIRMAN

~~Montgomery and Greene County~~  
Jack L. Jensen, Executive Director

Colonel Ray W. Alvord, USAF *RW*  
Chief, Graduate Education Division  
School of Systems and Logistics  
Air Force Institute of Technology  
Wright-Patterson Air Force Base  
Dayton, Ohio 45433

Dear Colonel Alvord:

In response to your letter of July 7, 1971, regarding origin-destination data for Captain John Barry and Captain Phillip Bown, we have provided Captain Bown with the following material:

1. Computer tape (TCC #72) containing 1 and 2 card origin-destination data;
2. 1968 analysis zone map;
3. 1980 land use map;
4. Field forms for 1 and 2 card origin-destination data;
5. Origin-destination data record formats.

It will be the responsibility of Captain Barry and Captain Bown to return the computer tape to our office in the condition in which it was loaned as soon as it has been copied. They may keep items 2 through 5 for use in their thesis work.

It is our understanding that this material will be used in preparing a thesis related to person trip generation in the Dayton region. At the conclusion of this project we would be interested in obtaining a copy of the thesis or the results of the analysis performed.

For any further assistance which may be required please do not hesitate to contact Mr. Ronald Rude of our staff.

Very truly yours,

*Jack L. Jensen*  
Jack L. Jensen  
Executive Director

APPENDIX B

FORMAT OF HOME INTERVIEW SURVEY USED IN THE 1968  
TCC ORIGIN-DESTINATION RANDOM SYSTEMATIC  
SAMPLE SURVEY

65

# MONTGOMERY - GREENE COUNTIES TRANSPORTATION AND DEVELOPMENT STUDY

(DWELLING UNIT SUMMARY)

1. CENSUS TRACT \_\_\_\_\_
2. BLOCK \_\_\_\_\_
3. SAMPLE \_\_\_\_\_
4. STRUCTURE CODE \_\_\_\_\_
5. INTERVIEW DATE: \_\_\_\_\_
9. HOW MANY PASSENGER CARS ARE OWNED BY ALL PERSONS LIVING AT THIS ADDRESS? (INCLUDE COMPANY OWNED CARS GARAGED AT HOME.) ☐ ☐ ☐ ☐ ☐
10. HOW MANY PERSONS ARE EMPLOYED OUTSIDE THE HOME? ☐ ☐ ☐ ☐ ☐
11. HOW MANY PERSONS 5 YEARS OF AGE OR OLDER DID NOT MAKE TRIPS? ☐ ☐ ☐ ☐ ☐
12. HOW MANY YEARS HAS HEAD OF HOUSEHOLD RESIDED AT THIS ADDRESS? ☐ ☐ ☐ ☐ ☐
13. TOTAL NUMBER OF TRIPS REPORTED AT THIS DWELLING UNIT? ☐ ☐ ☐ ☐ ☐

APPOINTMENT TIME  
1ST CALL \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

2ND CALL \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

3RD CALL \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

4TH CALL \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_

## 6. D. U. STATUS

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best available copy.

7. SAMPLE ADDRESS (HOUSE NO.) \_\_\_\_\_ (STREET) \_\_\_\_\_ (CITY) \_\_\_\_\_

8. HOW MANY PERSONS LIVE AT THIS ADDRESS? ☐ ☐ ☐ ☐ ☐

(a) HOW MANY ARE 5 YEARS OF AGE, OR OLDER? ☐ ☐ ☐ ☐ ☐

(b) HOW MANY ARE ENROLLED IN SCHOOLS WITHIN MONTGOMERY OR GREENE COUNTY DURING THE SCHOOL YEAR? ☐ ☐ ☐ ☐ ☐

(c) HOW MANY ROOMERS, IF ANY? ☐ ☐ ☐ ☐ ☐

INCOMPLETE INTERVIEW-REASON \_\_\_\_\_

I CERTIFY THAT ALL INFORMATION ON THESE FORMS IS CORRECT AND TRUE: \_\_\_\_\_

INTERVIEWER'S SIGNATURE \_\_\_\_\_

SUPERVISOR'S COMMENTS: \_\_\_\_\_

FIELD CHECKED \_\_\_\_\_ NAME \_\_\_\_\_ DATE \_\_\_\_\_

PHONE CHECKED \_\_\_\_\_ NAME \_\_\_\_\_ DATE \_\_\_\_\_

OFFICE CHECKS \_\_\_\_\_ NAME \_\_\_\_\_ DATE \_\_\_\_\_



C

APPENDIX C

COMPUTER RECORD STORAGE FORMAT OF THE  
1968 TCC ORIGIN-DESTINATION SURVEY

68

# Origin-Destination Record Format

## Card 1

### Household Information

#### Columns

#### Identification

1	Card number (1)
2-6	Census Tract Block Number
7-10	Sample number
11-13	Blank
14	Call backs
15	Number of cars
16-17	Number of persons
18-19	Number of persons over 5 years old
20	Number of roomers
21	Number of persons employed
22	Number of persons with no trips
23	Dwelling unit status
	V = Vacant
	X = Refusal
	C = Contacted no return
	N = No contact
	Blank = Interview obtained
24-25	Blank
26-30	Census tract number - 1970
31-34	Land use
	1 Residential
	2 Mfg (light)
	3 Mfg (heavy)
	4 Transportation, communication and Utilities
	5 Trade
	6 Services
	7 Cultural, entertainment, recreation
	8 Resource production & extraction (agriculture, mining, etc.)
	9 Underdeveloped land and water areas
35-36	Number of years resident
37-38	Number of persons enrolled in school
39-67	Blank
68-71	Zone of residence
	Column 68 = Sector

Card 1

ColumnsIdentification

68-71

Zone of residence-Cont.

Column 69 = Ring

Columns 70-71 = Analysis Zone

72-75

Zone factor (2 decimals)

76-80

Census tract factor (2 decimals)

## Origin-Destination Record Format

## Card 2

## Internal Trips

ColumnsIdentification

1	Card number (2)
3-6	Census Tract Block Number
7-10	Sample number
11-12	Blank
13-14	Trip Number
15-16	Person number
17	Sex
	M = Male
	F = Female
18-19	Occupation
20-29	Origin
	If internal
	Column 20 = Blank
	Columns 21-24 = Land use (see columns
	31-34 card 1)
	Columns 25-29 = Census Tract Block
	Number
	If external
	Column 20 = E
	Columns 21-22 = State
	Columns 23-25 = County   IBM codes
	Columns 26-29 = City
30-39	Destination
	Same format as shown for Origin in
	Columns 20-29
40	Mode
	1 = Auto driver
	2 = Auto passenger
	3 = Bus
	4 = Rapid transit
	5 = Taxi
	6 = Truck passenger
	7 = Walk to work
	8 = School bus

Card 2

September 21, 1970

ColumnsIdentification

41

Trip purpose from

- 1 = Work
- 2 = Personal business
- 3 = Shopping
- 4 = Social-recreational
- 5 = School
- 6 = Eat meal
- 7 = Medical-dental
- 8 = Serve passenger
- 9 = Change travel mode
- 0 = Home

42

Trip purpose to

Same as codes for trip purpose from  
in column 41

43-46

Start time

24 hour clock - in hundredths of an hour  
Midnight to 1:00 AM = 00 hour

47-50

Arrival time

51-52

Blank

53-54

Relationship

- 1 = Head-of-household
- 2 = Husband
- 3 = Wife
- 4 = Daughter or daughter-in-law
- 5 = Son or son-in-law
- 6 = Mother or mother-in-law
- 7 = Father or father-in-law
- 8 = Aunt
- 9 = Uncle
- 10 = Sister or sister-in-law
- 11 = Brother or brother-in-law
- 12 = All other
- 13 = Roomer

55-56

Month

- 1 = January
- 2 = February
- 3 = March
- 4 = April
- 5 = May
- 6 = June
- 7 = July

-Card 2

September 21, 1970

<u>Columns</u>	<u>Identification</u>
55-56	Month-Cont. 8 = August 9 = September 10 = October 11 = November 12 = December
57-58	Date
59	Day 1 = Monday 2 = Tuesday 3 = Wednesday 4 = Thursday 5 = Friday
60-63	Origin Column 60 = Sector Column 61 = Ring Columns 62-63 = Analysis zone or All zeros for external end
64-67	Destination Same as for origin in columns 60-63
68-71	Zone of residence Column 68 = Sector Column 69 = Ring Column 70-71 = Analysis Zone
72-75	Zone factor (2 decimals)
76-80	Census tract factor (2 decimals)

APPENDIX D

PRINTOUT OF FIRST 100 RECORDS ON THE COMPUTER  
TAPE CONTAINING DATA FROM 1968 TCC  
ORIGIN-DESTINATION SURVEY

200000	2	11 2 2019	C	11400 1 3	03111112533453115334166001572	5334166001572
200000	2	01 2107	140000000	11311424104413001325	01111112533453115334166001572	5334166001572
200000	2	12 1 07	6/200/441	1400000000	01111112533453115334166001572	5334166001572
200000	2	01 1107	140000000	072000744110123502367	01111112533453115334166001572	5334166001572
200000	2	02 2109	113114241	1400000000	03111112533453115334166001572	5334166001572
200000	3	12 2 2020	C	11400 3 0	01111192531153005334166001572	5334166001572
200000	3	02 1101	5420014249	1400003995161 9931000	01111192533453115334166001572	5334166001572
200000	3	01 1101	140000000	0420004249103 975 992	01111192533453115334166001572	5334166001572
200000	3	02 2102	07200 5/20	1400000000	11111192533453115334166001572	5334166001572
200000	3	01 2102	140000000	072000872101 725 750	11111192533453115334166001572	5334166001572
200000	3	06 1101	5416004034	110000600013010671075	01111192533453115334166001572	5334166001572
200000	3	03 1101	140000000	041000403411310251033	01111192533453115334166001572	5334166001572
200000	4	12 3 2011	C	11400 3 0	0111111311253345334166001572	5334166001572
200000	4	02 1100	0929903/53	140000300011016001633	0111111533401125334166001572	5334166001572
200000	4	01 1100	140000000	0929903/51131 675 703	0311111533401125334166001572	5334166001572
200000	5	12 3 2010	C	11400 2 0	0311111533401125334166001572	5334166001572
200000	5	02 2109	06/200/145	1400000000	0311111533401125334166001572	5334166001572
200000	5	01 2109	140000000	0720074120212001275	0111111533401125334166001572	5334166001572
200000	5	02 1100	6/1000000	1400000000	0111111533401125334166001572	5334166001572
200000	5	01 1100	140000000	0720000000	0111111533401125334166001572	5334166001572
200000	6	11 3 2011	C	11400 7 1	041119253345334166001572	5334166001572
200000	6	01 0110	140000000	09134031005 775 809	011119253345334166001572	5334166001572
200000	6	02 1101	312900000	1100000000	011119253345334166001572	5334166001572
200000	6	01 1104	140000000	0420000000	011119253345334166001572	5334166001572
200000	6	02 0113	601300031	1400000000	041119253345334166001572	5334166001572
200000	7	12 3 2010	C	1111116 1	01101195100533453305146701572	5334166001572
200000	7	01 1100	11110000	0425000000	0110119533453305146701572	5334166001572
200000	7	02 2109	11110000	0425000000	03101195410633125305146701572	5334166001572
200000	7	01 1100	11110000	11110000	0310119533453305146701572	5334166001572
200000	7	07 2100	621404200	11110000	0310119533453305146701572	5334166001572





200017	2	02	5111	001204064	11110000/85015251503	0410115532150055	0146/01572
200017	2	01	5111	111100067	081204064805 757 025	041011553055321	0146/01572
200017	2	04	4010	742404155	11110000/24013001875	051011553105005	0146/01572
200010	1	12	4	3010 C	11111 1	0500158001572	
200010	1	02	1007	675000/20	11110000/11017001717	0111 85530153065000158001572	
200010	1	01	1007	111100010	075000/720101 750 767	0111 855306500150 01530001572	
200010	1	02	3010	001200025	11110001020014031492	0511 85530050065000158001572	
200010	1	01	3010	111100010	0512000020205 750 753	0511 35530050005006158001572	
200010	1	02	2010	001200025	111100010150014031492	0311 95530050065006158001572	
200010	1	01	2000	111100010	081200002510014071473	0311 85530050005006158001572	
200011	1	12	0	2021 C	1111112 3	0500143001572	
200011	1	01	3010	111100011	0013004031305 783 842	04101155305320500143001572	
200011	1	02	2000	07007441	111100011110 06 25	031011553025035003143001572	
200011	1	01	1000	111100011	07500074110114501475	031011553053025003143001572	
200011	1	02	2010	001204064	11110001105015501600	041011553215305003143001572	
200011	1	01	5010	111100011	081204064805 783 050	04101155305050215003143001572	
200011	1	04	4010	0513004031	1111000118501501000	041011553205035003143001572	
200011	1	03	4010	0513004031	081300403105515251542	0410115641450205003143001572	
200011	1	02	4010	0513004031	00510000185012501207	0410115532064145003143001572	
200011	1	01	4010	111100011	0813004031005 733 942	0410115530530205003143001572	
200011	1	02	4010	0513004 01	11110001185015501600	041011553205035003143001572	
200013	1	12	4	3009 C	1111122 0	0500143001572	
200013	1	04	2002	111100015	09000051410017501775	0310115530343045003143001572	
200013	1	03	2002	111100015	1111000110016751708	031011541015035003143001572	
200013	1	02	2000	075007442	111100007011816001603	0310115531041015003143001572	
200013	1	01	2002	111100015	075007442101 675 708	031011553050105003143001572	
200013	1	04	1002	0510000061	11110001014022502300	011011543035005003143001572	
200013	1	03	1002	111100015	081000006110021002103	0110115530343035003143001572	
200013	1	02	1002	05110470	11110001011020252075	0110115320505003143001572	
200013	1	01	1002	111100015	05110470101 900 975	011011553030205003143001572	
200013	1	00	3002	05110470	11110001012017001758	0510115320505003143001572	

200013	1	05	3802	5010	7422	5511	0477	5510	2102	1300	1375	0510	1562	1132	0550	3143	0915	72
200013	1	04	3102	5511	0477	5810	0742	2211	1612	5012	07	0510	1532	0562	1153	0314	3001	572
200013	1	00	3802	5550	1209	5521	0477	5512	1117	5125	2	0510	1157	1023	2055	0314	3001	572
200013	1	02	3802	5511	0477	5530	0206	9112	1100	1125		0510	1153	2057	1025	3031	4300	1572
200013	1	01	3102	1111	0013	5511	0477	5510	1900	942		0510	1155	3033	2055	0314	3001	572
200013	1	07	2102	5310	1361	1111	0013	2240	2250	2300		0310	1154	0035	3035	0314	3001	572
200013	1	00	2102	1111	0013	5810	0556	1204	2100	2103		0310	1155	0034	3035	0314	3001	572
200013	1	05	2102	5908	0014	1111	0013	1310	1950	1975		0310	1154	0035	3035	0314	3001	572
100013	2	11	4	0310	C	1111	1	3	1						5203	1430	01572	
200013	2	12	1100	5427	1204	1111	0013	1021	0169	01650		0110	1150	1175	0035	0314	3001	572
200013	2	01	1100	1111	0013	5427	0204	3201	500	600		0110	1155	0030	1175	0031	4300	1572

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APPENDIX E

SEGMENTATION OF PROFESSIONAL AND PROTECTIVE  
PERSONS PER ZONE INTO THEIR APPROPRIATE  
OCCUPATIONS AS DEFINED IN THE 1968 TCC  
ORIGIN-DESTINATION SURVEY

Occupations of professional and semi-professional people as defined in the TCC Survey:

Architects, engineers, etc.--civil, electrical, mechanical, marine, aeronautical, surveyors, airplane pilots, etc.  
Designers, draftsmen, surveyors, technical aids, accountants, embalmers, morticians and other professional and semi-professional workers  
Educational and scientific--teachers, scientists and professional research workers  
Entertainment--artists, authors, journalists, photographers, musicians, etc.  
Legal--lawyers, judges, etc.  
Medical--doctors, surgeons, dentists, etc.  
Nurses and social welfare workers  
Osteopaths, chiropractors, etc.  
Religious--clergymen, etc.  
Veterinarians

Occupations of protective services people as defined in the TCC Survey:

Civilian defense lookouts (airplane and fire), wardens, etc.--full-time employees only  
Commissioned officers of the military forces  
Enlisted men, draftees and non-commissioned officers of the military forces  
Members of fire departments  
Policemen, sheriffs, marshals, guards, game wardens, etc.  
Private detectives  
Watchmen and police, privately employed

APPENDIX F

COMPUTER PROGRAM AND FLOWCHART USED  
EXTRACTION OF DATA FROM 1968 TCC  
ORIGIN-DESTINATION SURVEY

## IRISIS TRIP GENERATION ANALYSIS

```

1 C BARY BOLD IRISIS TRIP GENERATION ANALYSIS
2 C STORE ALLOC ZONE HEADERS
3 C ALLOCATION ZONE (026)
4 C STORE ZONE HEADERS
5 C ALLOC ZONE (026)
6 C STORE TRIP VAR FROM CARD 2
7 C ALLOC ZONE (026), PR01(026), STU0(026), UNEMP(026)
8 C STORE TRIP VAR FROM CARD 2
9 C ALLOC ZONE (026), PR01(026), PRF2(026), IPF3(026), IPF4(026),
10 IPF5(026), IPF6(026), IPFALL(026)
11 C STORE TRIP VAR FROM CARD 2
12 C ALLOC ZONE (026), IP10(026), IP12(026), IP13(026), IP14(026),
13 IP15(026), IP16(026), IPFALL(026)
14 C ALLOC ZONE (026), ZCAR(026), ZPFRS(026), ZEMP(026), DCARS(000),
15 DPFAS(000), DPA05(000), DFCP(000), DFSIZE(000), DYS(000), DSCN(000)
16 C STORE TRIP VAR FROM CARD 1
17 C ALLOC ZONE (026), ZFRAD(026), ZSER(026), ZREC(026)
18 C STORE TRIP VAR FROM CARD 1
19 C ALLOC ZONE (000)
20 C DATA L, LADR / LB /
21 DATA (LZONE(4), L=1,6)/0000,0057,1101,1138,1201,1215,1301,1316,
22 1101,1445,2101,2160,2201,2301,2356,2401,2419,3101,3115,
23 23201,3220,3301,3321,4101,4112,4201,4210,4301,4314,5101,5108,
24 5201,5204,5301,5355,5401,5406,5501,5514,6101,6116,6201,6211,
25 6301,6321,6401,6456,6501,6535,7101,7123,7201,7214,7301,7323,
26 7401,7406,8101,8120,8201,8243,8301,8328,9201,9222,9301,9356/

```

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```

27      CALL FLEOF(10,11)
28      C INITIALIZE COUNTERS
29      IF I=0.
30      ISIZ=0
31      IQU=0
32      RES=0
33      SFAC=0
34      QUOT=1.
35      ISAMP=0
36      IZS=0
37      IF ILE=0
38      IF ILI=1FFLI+1
39      AZO=0
40      AZD=0
41      ZR=0
42      ZO=0
43      AD=0
44      AR=0
45      C READ CARD 2 DATA
46      READ (10,10) ICARD, IOCUP, IODUL, IIPF, IIPT, IOZ, IZP, ZFAC
47      I=ICARD*(11,16,12,20X,11,11,11,1/X,14,14,14,F4.2)
48      IF (11. E.0) GO TO 999
49      IF (ICARD.EQ.1) GO TO 777
50      C IF A WALKER, READ ABOVE R CARD

```

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51 IF (1,00F,EU,7)GO TO 100  
 52 C STOP 200E #5 1010 826 LOCATIONS BY 120,12R,10Z  
 53 30 2 KK=L,34  
 54 L101=L200E(2\*KK-1)  
 55 L102=L200E(2\*KK)  
 56 30 3 KJ=L101,L102  
 57 30=00+1  
 58 IF (10Z,EU,01)RZ0=00  
 59 IF (K1,01,107)GO TO 8  
 60 COWTHOE  
 61 30 5 KC=L101,L102  
 62 KC=00+1  
 63 IF (10Z,EU,02)NZ0=00  
 64 IF (K2,01,10Z)GO TO 9  
 65 COWTHOE  
 66 30 7 KJ=L101,L102  
 67 KC=00+1  
 68 IF (120,EU,03)PZR=00  
 69 IF (K3,01,12R)GO TO 2  
 70 COWTHOE  
 71 COWTHOE  
 72 C SEPARATE 3 STORE OCCUPATIONS BY ZONL OF RESIDENCE  
 73 IF (1000P,EU,0)GO TO 16  
 74 IF (1000P,EU,7)GO TO 20  
 75 IF (1000P,EU,10)GO TO 30

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101 1PF2(020)=1PF2(020)+ZFAC  
 102 GO TO 122  
 103 1PF3(020)=1PF3(020)+ZFAC  
 104 GO TO 122  
 105 1PF4(020)=1PF4(020)+ZFAC  
 106 GO TO 122  
 107 1PF5(020)=1PF5(020)+ZFAC  
 108 GO TO 122  
 109 1PF00(020)=1PF00(020)+ZFAC  
 110 1PFALL(020)=1PFALL(020)+ZFAC  
 111 C SLFARATE IS STORE TRIP POSTAGE FROM BY DESTINATION ZONE  
 112 720 IF(1PF1.00.0) GO TO 130  
 113 IF(1PF1.00.1) GO TO 110  
 114 IF(1PF1.00.2) GO TO 120  
 115 IF(1PF1.00.3) GO TO 100  
 116 IF(1PF1.00.4) GO TO 170  
 117 IF(1PF1.00.5) GO TO 120  
 118 IF(1PF1.00.6) GO TO 120  
 119 IF(1PF1.00.7) GO TO 120  
 120 IF(1PF1.00.8) GO TO 120  
 121 IF(1PF1.00.9) GO TO 120  
 122 1PF0(020)=1PF0(020)+ZFAC  
 123 GO TO 192  
 124 1PF11(020)=1PF11(020)+ZFAC  
 125 GO TO 192

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```

126      IP12(NZD)=IP12(NZD)+ZFAC
127      GO TO 192
128      IP13(NZD)=IP13(NZD)+ZFAC
129      GO TO 192
130      IP14(NZD)=IP14(NZD)+ZFAC
131      GO TO 192
132      IP15(NZD)=IP15(NZD)+ZFAC
133      GO TO 192
134      IP16(NZD)=IP16(NZD)+ZFAC
135      IP17(NZD)=IP17(NZD)+ZFAC
136      C READ NEXT RECORD
137      GO TO 600
138      C READ CARD 1 DATA
139      777      BACKSPACE 10
140      C READ AND PRINT CARD 1 DATA
141      READ (10,200) (ICARD,CARS, PERS,POB,ROOM,EMP, TRIPNO,ISTAT,LAND,
142      JYRS,SCF,IZR,ZFAC)
143      FORMAT(11,13X,F1.0,F2.0,F1.0,F1.0,F1.0,F1.0,1A1,7X,11,
144      13X,F2.0,F2.0,29X,14,F1.2)
145      IF (11-SCF) GO TO 999
146      C DETERMINE TOTAL DWELLING UNIT(FDU) CONTACTED
147      FDU=100+1.
148      C IF 1.0 INFPLYER OBTAINED, READ ANOTHER CARD
149      IF (ISTAT.NE.161ANK) GO TO 803
150      C SOFT ZONE #5 INTO 826 LOCATIONS BY IZR

```

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```

151      GO 700  I1=1.54
152      LIM1=LZONE(2*11-1)
153      LIM2=LZONE(2*11)
154      GO 710  I2=LIM1,LIM2
155      NR=NR+1
156      IF(I2.10.12R)NZR=NR
157      IF(I2.01.12R)GO TO 242
158      CONTINUE
159      CONTINUE
160      C CALCULATE THE NO. OF INTERVIEWS OBTAINED
161      242  I1=I1+1.
162      C CALCULATE INDEPENDENT VARIABLES FOR ZONAL ANALYSIS & STORE BY IZR
163      ZPU(0,ZR)=ZPU(NZR)+ZFAC
164      ZCARZ(0,ZR)=ZCARZ(NZR)+CARZ*ZFAC
165      ZPERS(0,ZR)=ZPERS(NZR)+PERS*ZFAC
166      ZSCH(0,ZR)=ZSCH(NZR)+SCH*ZFAC
167      ZEMP(0,ZR)=ZEMP(NZR)+EMP*ZFAC
168      C SEPARATE & STORE #0.0./LAND USE BY IZR FOR INDEP VARIABLES.
169      C USE IN ZONAL ANALYSIS
170      IF(LAND0.0.1)GO TO 300
171      IF(LAND0.0.3)GO TO 320
172      IF(LAND0.0.5)GO TO 340
173      IF(LAND0.0.6)GO TO 360
174      IF(LAND0.0.7)GO TO 380
175      GO TO 400

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```

175      ZNLS(NZR)=ZRES(NZR)+ZFAC
176      GO TO 400
177
178      ZNFG(NZR)=ZNG(NZR)+ZFAC
179      GO TO 400
180
181      ZTRAP(NZR)=ZTRAP(NZR)+ZFAC
182      GO TO 400
183
184      ZSER(NZR)=ZSER(NZR)+ZFAC
185      GO TO 400
186
187      ZREC(NZR)=ZREC(NZR)+ZFAC
188      IF(ILE.EQ.13882)GO TO 999
189      IF(ILE.EQ.0)GO TO 999
190
191      C TAKE 0.0. SAMPLE EVERY 20 INTERVIEWS
192      400  SAMP=TINI/20.0
193      IF (SAMP.EQ.DUCT)GO TO 430
194      GO TO 400
195
196      C INCREMENT # OF 0.0. IN SAMPLE (ISIZE)
197      430  ISIZE=ISIZE+1
198      C INCREMENT SAMPLE CHCK
199      QUOT=QUOT+1.
200
201      C CALCULATE NEW SAMPLE FACTOR(SFAC)
202      SFAC=20.0*ZFAC
203
204      C STORE DEP VARIABLES, TRIPS/D.0.
205      TRIP(ISIZE)=(PEKS-TRIP40)*SFAC
206
207      C STORE INDEP VARIABLES BY ATTRITE.D.0.
208      PCARS(ISIZE)=CARS*SFAC

```

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```

201  PERS(SIZE)=PERS*SFAC
202  DPO(SIZE)=DPO*SFAC
203  DEMP(SIZE)=DEMP*SFAC
204  DSIZE(SIZE)=(PERS-ROUN)*SFAC
205  DYS(SIZE)=YRS*SFAC
206  DSC(SIZE)=SCH*SFAC
207  GO TO 688
208
209  RES=(TINT/100)*100.
210  PRINT 440,100,TINT, RES
211  FORMAT(100,5X,26H BELLING UNITS CONTACTED=,F8.2,10X, 'INTERVIEWS',
212  1,9H OBTAINED=,F8.2,10X,18H PERCENT RESPONSE=,F9.2)
213  PRINT 450,ISIZE
214  FORMAT(5X,39H TOTAL NUMBER OF D.U. SAMPLED FROM TAPE,
215  115)
216  C SIOPE ZONE #'S
217  DO 199 KY=1,34
218  LIM1=LZONE(2*KY-1)
219  LIM2=LZONE(2*KY)
220  C CALCULATE & STORE ZONE # BY ZONE #
221  DO 505 J11=LIM1,LIM2
222  IZS=IZS+1
223  A2ORP(IZS)=J11
224  CONTINUE
225  CONTINUE
226  C WHILE VALUES USED FOR ZONAL ANALYSIS ON DISC

```

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```

220      GO 452 L=2,826
227      WRITE(15,454) ZONE(L),IPF0(L),IPF1(L),IPF2(L),IPF3(L),IPF4
228      1(L),IPF5(L),IPF0H(L),IPF0H(L),IPF1(L),IPF2(L),IPF3(L),
229      2IPF4(L),IPF5(L),IPF0H(L),IPF0H(L),ZCARS(L),ZSCH(L),ZPERS(L),
230      3ZLHP(L),ZAFU(L),ZIRAD(L),ZSER(L),ZREC(L),PROF(L),STUD(L)
231      4,ZNECP(L),ZOH(L)
232      FORMAT(14,BF9.2/BF9.2/13F9.2)
233      CONTINUE
234      C WRITE VALUES USED FOR P.O. ANALYSIS ON DISC
235      GO 456 N=1,ISIZE
236      WRITE(19,458) D,DTKIP(N),DCARS(N),DPERS(N),DPOS(N),DHEP(N),
237      1DFSIZE(.),DYRS(L),DSCH(N)
238      FORMAT(14,BF9.2)
239      CONTINUE
240      PRINT 730,IFILE
241      FORMAT('IFILE= ',16)
242      PRINT 460
243      FORMAT(12H***** )
244      C PRINT DEPENDENT REP VARIABLES
245      C PRINT PRODUCTION ZONAL REP VARIABLES BY ZONE
246      PRINT 511
247      FORMAT(1X,35HZONE TPF0 TPF1 TPF2 TPF3 TPF4
248      1 IPF5 IPF0H IPF0H )
249      GO 512 J12=1,826
250      PRINT 513,J12,RZONE(J12),TPF0(J12),TPF1(J12),TPF2(J12),TPF3(J12),

```

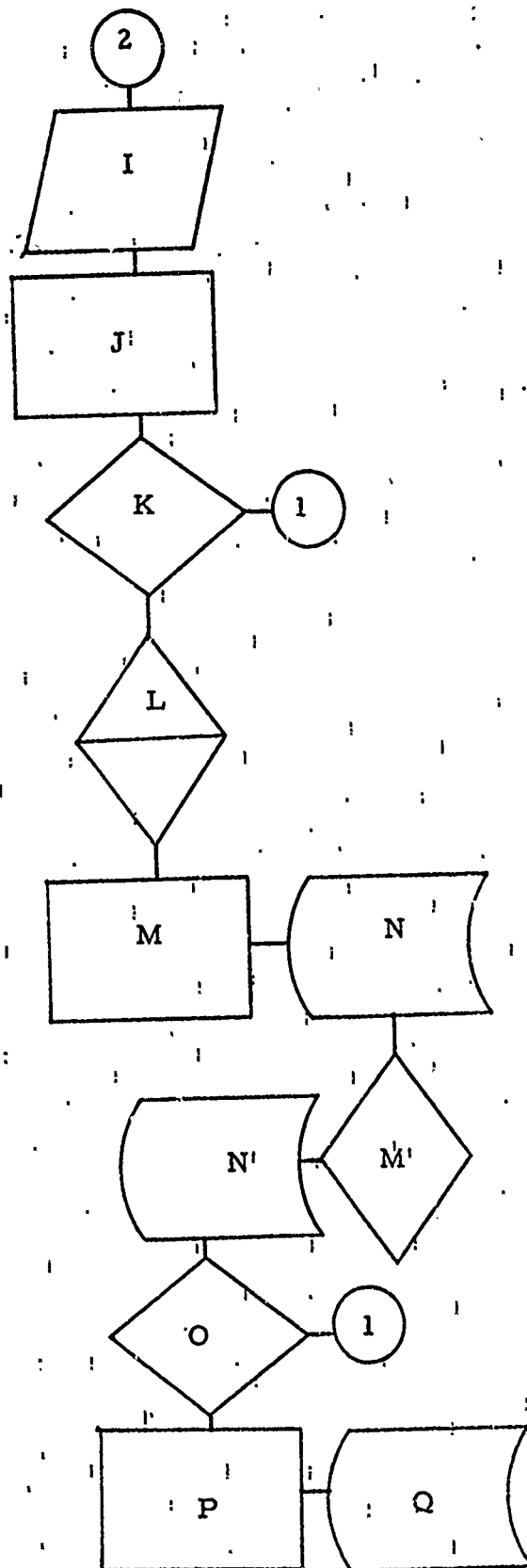
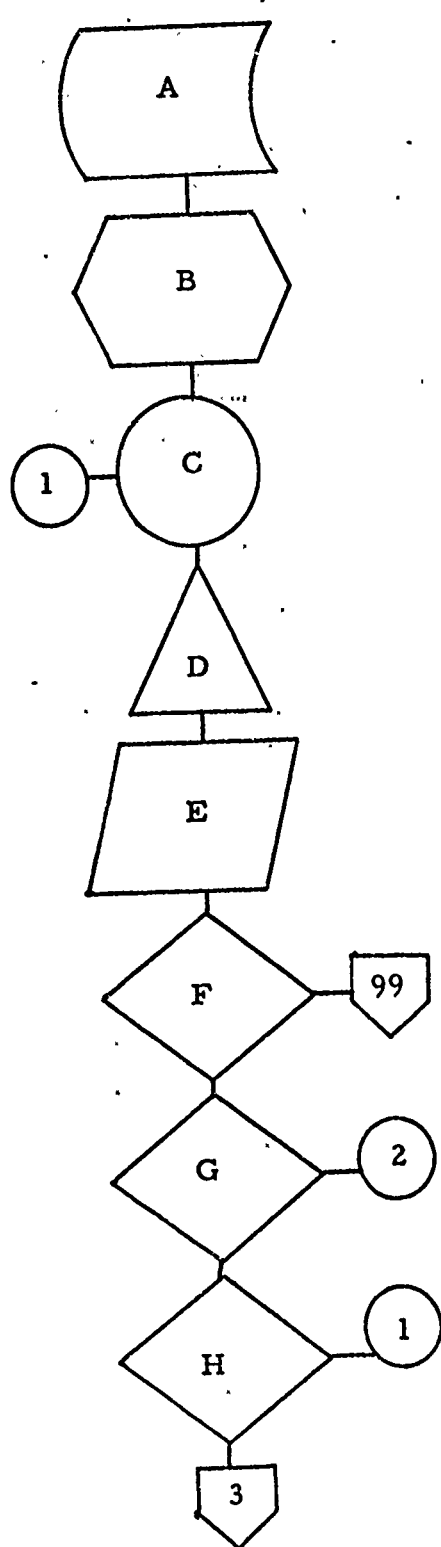
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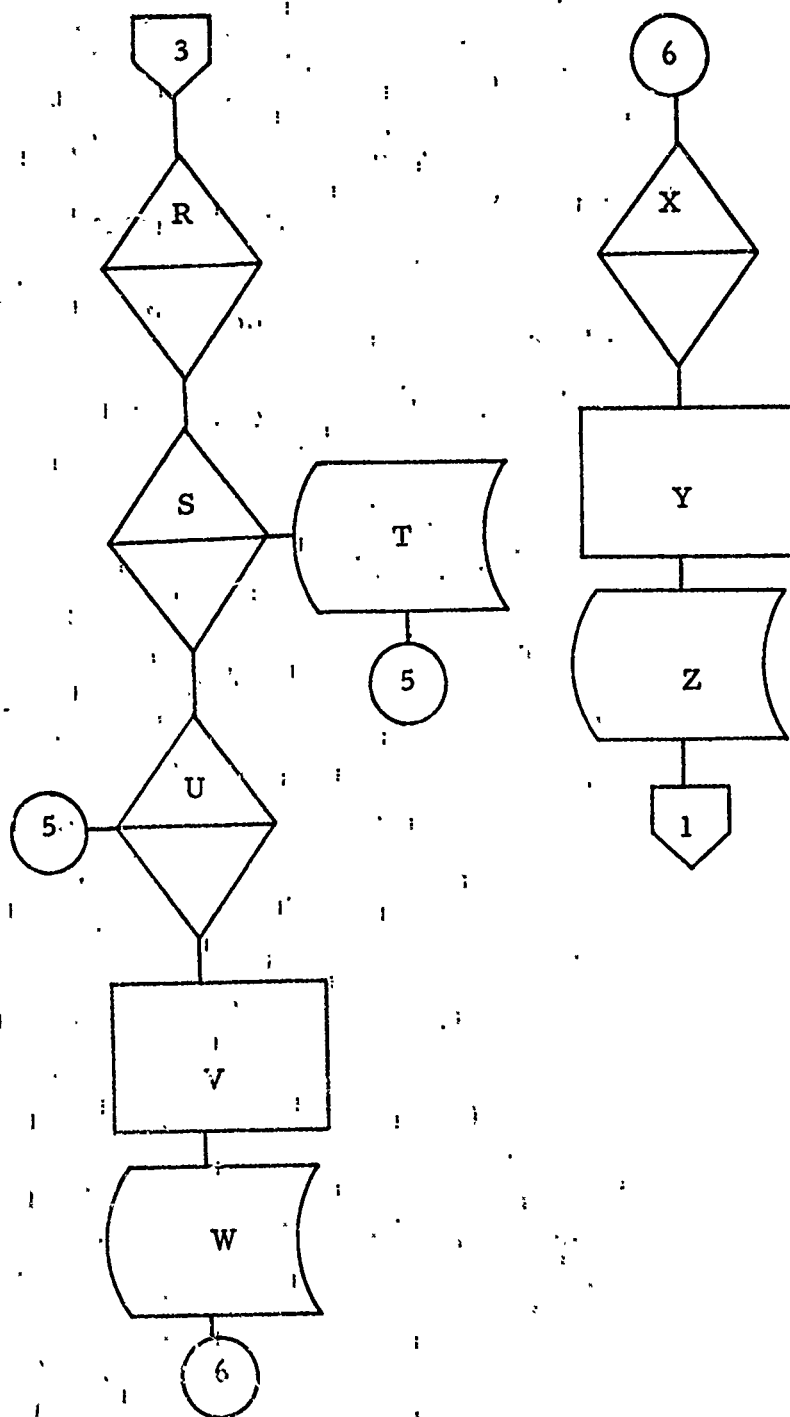
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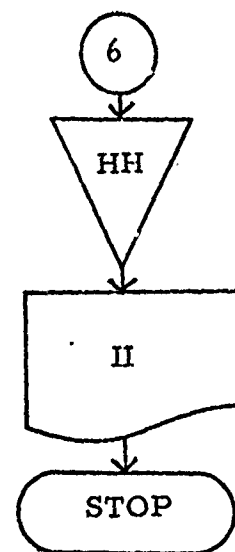
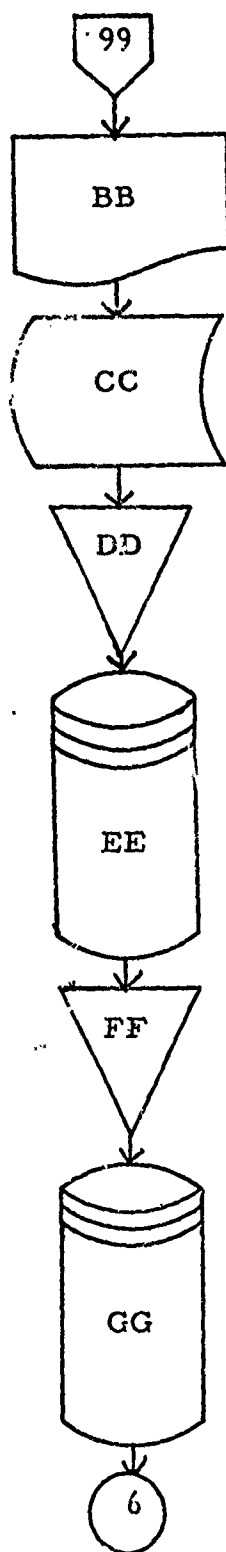
2251 JTPF4(J12),TPF5(J12),TPF0TH(J12),TPFALL(J12)
2252 FORMAT(1X,13,2X,14,1X,8(F9.2,2X))
2253 CONTINUE
2254 C PRINT OUT ATTRACTION DEPENDENT VARIABLES BY ZONE
2255 PRINT 521
2256 FORMAT(1X,84HZONE IPF0 IPF1 IPF2 IPF3 IPF4
2257 1 IPF5 IPF0TH IPTALL )
2258 DO 522 J13=1,826
2259 PRINT 520,J13,ZONE(J13),IPF0(J13),IPF1(J13),IPF2(J13),IPF3(J13),
2260 IPF4(J13),IPF5(J13),IPF0TH(J13),IPTALL(J13)
2261 FORMAT(1X,13,2X,14,1X,8(F9.2,1X))
2262 CONTINUE
2263 C PRINT OUT ZONAL INDEPENDENT VARIABLES
2264 PRINT 531
2265 FORMAT(1X,'SIO ZONE ZCARS ZSCH ZPERS ZEMP
2266 1ZCFG ZIRAD')
2267 DO 532 J14=1,826
2268 PRINT 533,J14,ZONE(J14),ZCARS(J14),ZSCH(J14),ZPERS(J14),ZEMP(J1
2269 14),ZMFG(J14),ZIRAD(J14)
2270 FORMAT(1X,13,2X,14,4X,6(F9.2,2X))
2271 CONTINUE
2272 PRINT 536
2273 FORMAT(1X,'ZSER ZREC ZPROF PROT STUD
2274 JUNEZ ZBU')
2275 DO 540 J18=1,826

```









## KEY TO VARIABLE NAMES

<u>Name</u>	<u>Function</u>
NZONE	Store zone numbers
LZONE	Store zone number ranges
ZDU <sup>1</sup>	Store dwelling units/zone
PROF	Store professionals/zone
PROT	Store protective people/zone
STUD	Store students/zone
UNEMP	Store unemployed/zone
TPF0	Store home trip productions
TPF1	Store home based work productions
TPF2	Store home based personal business productions
TPF3	Store home based shopping productions
TPF4	Store home based social recreational productions
TPF5	Store home based school productions
TPFOTH	Store home based all other productions
TPFALL	Store home based all trip productions
TPT0	Store home trip attractions
TPT1	Store home based work attractions
TPT2	Store home based personal business attractions
TPT3	Store home based shopping attractions
TPT4	Store home based social recreational attractions
TPT5	Store home based school attractions
TPTOTH	Store home based all other attractions
TPTALL	Store home based all trip attractions
ZCARS	Cars per zone
ZSCH	Students per zone
ZPERS	Persons per zone
ZEMP	Employment per zone
DCARS <sup>2</sup>	Cars per dwelling unit
DPERS <sup>2</sup>	Persons per dwelling unit
DPO5 <sup>2</sup>	Persons over 5 years old per dwelling unit
DEMP <sup>2</sup>	Employment per dwelling unit
DFSIZE <sup>2</sup>	Family size per dwelling unit
DYRS <sup>2</sup>	Number of years resident per dwelling unit
DSCH <sup>2</sup>	Students per dwelling unit

---

<sup>1</sup>Variable storage names beginning with "Z" were used for zonal trip generation analysis and variables starting with "D" can be used for dwelling unit analysis.

<sup>2</sup>Not used in this analysis.

<u>Name</u>	<u>Function</u>
TINT	Calculate total interviews obtained
ISIZE	Calculate dwelling unit sample
TDU	Total dwelling units contacted
RES	Response rate
SFAC	Sample factor for dwelling unit sample
IFILE	Total number of records
NZO	Zone of origin
NZD	Zone of destination
NZR	Zone of residence
ICARD	Card number
IOCUP	Occupation category
IMODE	Transportation mode
ITPF	Trip production (from) purpose
ITPT	Trip attraction (to) purpose
ZFAC	Zone factor
CARS	Number of cars per dwelling unit
PERS	Number of persons per dwelling unit
PO5	Number of persons over 5 per dwelling unit
ROOM	Number of roomers per dwelling unit
EMP	Employment per dwelling unit
ISTAT	Status of dwelling unit
TRIPNO	Persons with no trips per dwelling unit
LAND <sup>2</sup>	Land use
YRS <sup>2</sup>	Number of years resident per dwelling unit
SCH	Number of students per dwelling unit
ZREC <sup>2</sup>	Recreational zone
ZRES <sup>2</sup>	Residential zone
ZMFG <sup>2</sup>	Manufacturing zone
ZTRAD <sup>2</sup>	Trading zone
ZSER <sup>2</sup>	Services zone

---

<sup>2</sup>Not used in this analysis.

## KEY TO FLOWCHART PROGRAM

<u>Symbol</u>	<u>Computer Program Line Number</u>	<u>Operation</u>
A	1-25	Create on-line storage for zonal dwelling unit variables extracted from tape.
	26	Store zone number ranges.
B	28-44	Initialize counters.
C, D		Extract selected data from tape.
E	45-47	Read card 2 data from tape.
F	27, 48	Check for end of file.
G	49	Determine card number.
H	50, 51	Eliminate data on walking mode.
R	52-71	Sort zone numbers by zones of residence, origin, and destination.
S	72-78	Sort occupations.
T	79-85	Store occupations by zone of residence.
U	86-98	Sort trip purpose.
V, W	97-110	Store trip purposes by zone of origin.
X	111-121	Sort trip productions.
Y, Z	122-135	Store trip productions by zone of destination.
I	136, 137	Read another record.
I	138-144	Read card 2 format.

<u>Symbol</u>	<u>Computer Program Line Number</u>	<u>Operation</u>
J	146, 147	Determine total dwelling units contacted.
K	148, 149	Determine if interview obtained.
L	150-159	Sort zone numbers by zone of residence.
M, N	160, 169	Calculate the number of interviews obtained.
M, N	162-167	Calculate and store on dependent variables used in zonal analysis.
M'	168-175	Sort land uses. <sup>3</sup>
N'	176-184	Store land uses by zone of residence. <sup>3</sup>
O	187-189	Take dwelling unit samples every 20 interviews. <sup>3</sup>
1	190	Read another record.
P, Q	191-207	Sort and store variables used in dwelling unit analysis. <sup>3</sup>
BB	208-214	Printout dwelling units contacted, interviews obtained, number of dwelling units samples.
CC	215-224	Store zone numbers.
DD, EE	225-233	Write values used in zonal analysis on disc.
FF, GG	234-239	Write values used in dwelling unit analysis on disc. <sup>3</sup>
HH, II	240-287	Print all zonal and dwelling unit variables and total number of records on file.
	288	Stop

<sup>3</sup>Not used in this analysis.

APPENDIX G

COMPLETE EXTRACTION OF DATA FROM 1968 TCC ORIGIN-  
DESTINATION SURVEY BY 825 ZONES SEGMENTED INTO  
TRIP PURPOSES AND SOCIO-ECONOMIC  
CHARACTERISTICS

101

## KEY TO COLUMN NUMBERS

- 1 Zones Used to Develop Home Based Production and Attraction Equations
- 2 Home Based Trip Productions
- 3 Home Work Trip Productions
- 4 Home Personal Business Trip Productions
- 5 Home Shopping Trip Productions
- 6 Home Social Recreational Trip Productions
- 7 Home School Trip Productions
- 8 All Other Home Based Trip Productions
- 9 All Home Based Trip Productions (sums of tripends in columns 2 through 8)
- 10 Home Based Trip Attractions
- 11 Home Work Trip Attractions
- 12 Home Personal Business Trip Attractions
- 13 Home Shopping Trip Attractions
- 14 Home Social Recreational Trip Attractions
- 15 Home School Trip Attractions
- 16 All Other Home Based Trip Attractions
- 17 All Home Based Trip Attractions (sums of tripends in columns 10 through 17)
- 18 Cars Per Zone
- 19 Students Per Zone
- 20 Persons Per Zone
- 21 Employment Per Zone
- 22 Professional People Per Zone
- 23 Protective People Per Zone
- 24 Students Per Zone Who Made Trips
- 25 Unemployment Per Zone
- 26 Dwelling Units Per Zone

1	2	3	4	5	6	7	8	9
1	180.60	235.94	94.49	14.86	591.40	1059.23	207.74	2384.46
2	0.	292.97	14.06	0.	28.94	0.	116.64	452.61
3	0.	135.29	144.40	169.70	0.	0.	16.05	465.43
4	0.	722.04	29.87	0.	0.	0.	14.89	766.80
5	0.	4500.45	214.68	0.	29.73	0.	494.09	5238.95
6	0.	152.60	0.	0.	15.21	0.	0.	167.81
7	0.	2175.24	134.96	0.	0.	0.	201.83	2512.03
8	0.	977.17	165.38	1793.53	31.85	15.65	226.94	3210.52
9	0.	100.04	125.56	44.42	337.15	14.94	229.03	857.64
10	0.	443.20	189.22	455.67	183.24	28.03	245.84	1545.20
11	0.	899.39	259.88	46.03	201.65	45.82	457.48	1910.25
12	85.02	212.89	59.03	29.72	30.39	0.	212.91	629.96
13	0.	153.16	214.04	0.	0.	15.19	391.43	773.82
14	0.	1146.68	231.22	28.88	105.12	15.65	322.15	1849.70
15	0.	753.83	200.85	0.	59.60	0.	153.20	1167.48
16	0.	931.99	120.09	0.	16.04	0.	355.38	1423.58
17	15.94	1223.02	231.30	186.86	75.59	0.	354.18	2086.89
18	0.	2993.31	634.01	8301.17	434.22	45.10	1580.99	13966.80
19	0.	856.38	422.17	633.78	166.03	15.37	614.96	2688.69
20	24.00	562.36	364.97	90.72	130.56	1368.54	245.51	2812.60
21	2.00	104.78	74.90	157.81	15.06	60.02	29.92	424.49
22	0.	572.31	64.21	29.42	0.	0.	44.51	710.45
23	17.00	138.36	14.95	15.06	0.	0.	28.00	263.31
24	0.	442.67	44.31	105.16	0.	0.	92.16	584.30
25	0.	507.76	136.04	34.41	14.78	384.02	228.53	1368.14
26	0.	120.50	29.74	50.17	62.87	0.	162.62	465.90
27	0.	262.97	532.00	15.35	181.91	15.17	154.22	1160.72
28	0.	777.56	51.20	30.23	30.12	30.45	317.62	1247.18
29	14.29	1726.96	913.27	229.71	47.14	31.43	650.33	3617.23
30	0.	1773.67	633.59	573.60	279.31	211.54	587.65	4058.94
31	91.50	1202.90	522.05	15.23	214.14	60.96	381.31	2548.69

1	2	3	4	5	6	7	8	9
32	0.	0.	0.	14.85	10.42	0.	0.	31.27
33	0.	1102.51	705.04	15.49	15.51	0.	198.23	2036.78
34	0.	138.52	0.	0.	15.91	0.	0.	152.43
35	0.	31.50	14.95	15.55	0.	0.	0.	62.00
36	0.	137.53	0.	0.	0.	0.	0.	137.53
37	0.	203.60	62.30	0.	14.78	0.	15.03	296.59
38	0.	1941.60	044.63	17.60	46.43	0.	199.41	2449.75
39	0.	1245.56	454.94	1123.37	62.03	0.	578.25	3458.80
40	0.	1519.70	022.99	1438.59	62.05	14.72	677.37	4438.06
41	0.	635.42	242.60	156.19	10.09	151.92	97.90	1300.12
42	0.	75.77	107.68	30.15	15.00	0.	15.00	243.60
43	0.	197.21	113.77	106.98	77.56	15.50	87.86	598.88
44	0.	717.10	217.50	119.47	15.73	44.63	409.63	1524.06
45	15.16	658.02	262.86	137.93	48.89	17.69	213.90	1354.45
46	0.	154.60	29.20	29.62	10.14	0.	15.38	275.02
47	0.	14.44	0.	0.	0.	0.	28.88	43.32
48	0.	45.87	0.	39.50	0.	0.	0.	76.37
49	0.	105.95	0.	0.	0.	0.	34.00	219.95
50	0.	59.10	0.	0.	0.	0.	44.76	103.94
51	0.	497.64	46.35	63.70	48.78	0.	77.33	733.80
52	0.	577.59	325.34	154.28	15.00	15.59	1175.65	2264.45
53	0.	90.34	163.14	62.92	59.05	0.	108.39	488.54
54	0.	92.00	40.58	30.84	0.	0.	40.83	218.25
55	0.	159.73	14.06	31.76	35.18	0.	30.34	262.07
56	0.	183.38	0.	16.66	0.	0.	200.03	399.77
57	15.17	257.83	29.51	74.53	15.20	0.	0.	392.34
101	202.40	820.75	36.98	14.95	0.	0.	252.48	1323.66

1	2	3	4	5	6	7	8	9
1102	424.50	468.69	100.05	00.41	104.42	0.	92.87	1217.45
1103	522.15	260.31	179.74	15.00	122.75	0.	101.30	1531.25
1104	464.20	240.71	155.43	0.	72.59	0.	15.67	948.40
1105	140.00	1175.84	62.22	15.65	0.	0.	103.81	1502.82
1106	555.00	554.10	50.79	0.	0.	44.69	61.62	1246.28
1107	735.00	2272.87	084.54	2266.64	649.64	30.10	1207.17	8045.96
1108	297.00	90.60	126.67	14.88	182.40	0.	61.56	768.11
1109	219.00	259.24	14.95	0.	0.	47.22	44.80	565.21
1110	532.43	3710.73	246.97	0.	53.59	153.16	310.65	4806.63
1111	274.50	150.13	74.09	29.46	83.81	0.	26.27	638.86
1112	62.63	1207.93	91.02	0.	14.95	0.	197.05	1634.23
1113	848.16	347.43	241.39	46.20	135.94	0.	203.60	1822.52
1114	1991.20	203.22	259.58	45.23	105.80	0.	304.65	2969.68
1115	1830.44	247.10	180.90	119.31	274.12	0.	352.44	3016.37
1116	240.40	398.42	184.76	46.32	195.99	1134.97	272.66	2479.52
1117	684.20	311.34	198.22	257.41	200.06	61.17	412.22	2124.62
1118	617.90	495.52	198.76	61.67	245.39	32.07	182.01	1833.32
1119	250.38	237.39	97.04	0.	45.70	0.	61.24	691.75
1120	258.18	340.81	117.17	132.13	61.74	73.71	228.64	1204.38
1121	377.66	404.50	764.00	491.55	29.96	0.	172.05	2320.60
1122	1110.00	340.13	318.36	151.37	295.91	74.69	442.22	2722.68
1123	477.00	251.31	214.15	45.44	166.86	0.	94.38	1229.74
1124	496.00	552.03	384.79	213.17	317.00	134.35	261.31	2358.65
1125	1131.46	420.84	120.48	0.	164.96	0.	239.76	2077.50
1126	422.53	75.39	93.95	0.	106.55	0.	46.62	745.04
1127	806.62	702.96	270.38	29.55	150.05	207.38	347.18	2508.34
1128	420.00	184.32	275.89	193.92	58.99	42.87	90.66	1271.65
1129	535.51	4054.85	164.11	58.47	15.28	0.	340.78	4967.00
1130	568.25	73.97	61.61	138.07	181.45	0.	185.70	1009.05
1131	21.00	3999.00	61.27	0.	14.73	0.	331.42	4327.42

1	2	3	4	5	6	7	8	9
1132	1314.99	407.44	242.40	90.50	149.84	0.	326.84	2612.01
1133	1371.03	46.95	61.48	29.55	140.65	0.	181.54	1531.17
1134	1680.80	467.49	378.90	152.88	75.60	487.42	671.23	3914.32
1135	1165.92	77.02	90.32	29.90	291.02	0.	89.92	1684.10
1136	2040.73	124.68	184.97	59.76	130.21	0.	211.22	2765.62
1137	1320.00	77.99	74.88	288.11	168.34	0.	199.01	2128.33
1138	0.	391.26	0.	0.	0.	0.	0.	391.26
1201	1565.55	156.51	229.50	137.83	122.37	0.	347.09	2558.85
1202	114.00	30.67	31.37	0.	42.66	0.	61.54	283.24
1203	52.00	167.06	0.	0.	0.	0.	0.	219.06
1204	2001.96	102.39	83.40	59.76	149.44	220.99	600.24	3218.18
1205	226.60	14.62	45.32	0.	0.	0.	0.	286.54
1206	2331.85	92.63	242.30	78.46	46.95	246.82	284.04	3323.05
1207	459.94	46.28	110.44	0.	67.09	0.	0.	583.75
1208	326.57	77.15	29.63	122.88	52.74	0.	132.89	743.86
1209	1281.00	138.56	61.90	0.	135.96	243.71	225.12	2067.27
1210	226.65	80.19	504.62	929.38	171.97	0.	360.50	3024.72
1211	662.75	99.92	108.37	88.38	75.40	0.	30.79	1285.61
1212	1003.95	121.25	105.47	509.65	126.08	0.	251.99	2118.37
1213	1255.53	154.95	114.04	15.02	157.27	285.50	292.43	2275.49
1214	440.91	138.04	14.95	0.	62.96	0.	37.66	694.52
1215	2719.08	321.19	144.85	32.60	145.75	70.41	74.26	3508.14
1301	1297.66	0.	30.99	0.	119.16	0.	30.42	1478.23
1302	517.94	46.76	0.	0.	0.	0.	30.96	595.66
1303	509.53	45.27	30.66	14.83	44.33	0.	0.	644.62
1304	752.00	15.04	26.40	16.00	25.00	0.	44.82	879.26
1305	957.00	0.	47.83	45.91	109.70	0.	0.	1160.44
1306	183.30	0.	0.	0.	0.	0.	0.	183.30
1307	480.75	0.	32.29	35.08	86.55	0.	67.37	708.04
1308	1435.33	152.39	75.65	83.24	245.73	197.81	150.99	2352.19
1309	542.10	266.45	170.12	14.67	0.	0.	93.12	1080.46

1	2	3	4	5	6	7	8	9
1310	345.01	14.93	86.17	0.	30.26	0.	90.49	567.36
1311	731.05	135.34	137.29	14.55	224.30	1545.58	134.07	2926.58
1312	252.03	0.	0.	0.	16.90	0.	0.	271.60
1313	305.03	0.	30.38	30.66	0.	0.	29.20	396.24
1314	132.09	16.00	13.20	0.	29.44	62.33	57.39	310.36
1315	542.33	42.76	0.	0.	73.00	109.01	36.58	797.65
1316	1945.79	100.67	30.42	43.89	29.03	0.	75.97	2306.77
1401	587.34	137.13	165.89	71.44	87.06	228.57	137.12	1412.55
1402	184.90	14.00	15.06	0.	30.12	0.	11.33	259.51
1403	229.50	30.12	13.50	0.	16.86	0.	0.	289.98
1404	320.40	0.	31.08	0.	43.41	0.	0.	394.89
1405	336.06	0.	47.23	105.75	0.	0.	0.	490.04
1406	587.81	29.93	29.76	0.	0.	0.	15.16	662.60
1407	564.36	214.82	89.39	72.91	152.41	31.93	92.37	1242.19
1408	1097.42	584.04	345.33	322.85	251.75	1468.21	507.76	4577.36
1409	1262.88	142.10	177.33	13.50	121.66	0.	400.88	2121.55
1410	679.50	61.31	89.56	42.07	33.74	0.	104.32	1010.50
1411	750.00	0.	30.00	0.	15.07	0.	64.32	859.39
1412	643.40	45.21	44.14	447.35	30.22	0.	112.05	1527.37
1413	250.00	0.	12.20	0.	12.50	0.	0.	274.70
1414	168.99	0.	0.	14.56	0.	0.	0.	174.56
1415	482.18	0.	12.20	0.	72.37	0.	129.68	699.43
1416	88.00	0.	0.	0.	0.	0.	0.	80.00
1417	308.00	0.	42.00	0.	14.00	0.	90.40	454.40
1418	275.94	0.	0.	0.	29.33	0.	45.99	351.26
1419	203.50	0.	0.	0.	30.66	0.	0.	234.16
1420	590.39	207.26	29.93	464.90	201.46	1744.05	296.50	3534.49
1421	1475.11	61.32	309.53	143.59	233.03	0.	535.31	2757.89
1422	2056.00	60.49	154.74	300.04	180.84	0.	408.20	3162.91
1423	267.40	0.	0.	14.30	0.	0.	15.33	237.03

1	2	3	4	5	6	7	8	9
1424	836.16	0.	0.	14.60	98.78	0.	28.00	977.54
2101	442.25	321.28	603.79	215.88	156.82	93.04	234.87	2097.93
2102	252.13	197.42	107.95	245.48	255.93	0.	44.82	1103.73
2103	603.65	232.18	141.12	30.16	241.15	202.27	104.34	1551.87
2104	1058.50	321.33	136.36	136.21	156.43	29.30	180.76	2018.91
2105	582.12	820.33	293.25	0.	281.01	46.95	816.11	2841.81
2106	576.42	103.57	260.40	106.79	210.07	0.	104.16	1361.41
2107	253.90	232.73	119.49	136.83	105.09	0.	429.27	1282.31
2108	415.84	125.95	15.49	130.90	77.38	0.	265.01	1030.57
2109	781.04	237.89	151.61	107.36	230.47	30.52	211.87	1770.78
2110	985.00	231.16	231.48	14.81	201.45	0.	228.66	1893.36
2111	962.34	232.38	137.96	46.04	385.31	560.43	780.68	3165.44
2112	2735.28	251.69	281.09	44.42	172.97	14.65	846.86	4347.16
2113	764.79	470.53	313.67	921.25	215.33	30.92	646.95	3308.46
2114	739.78	254.57	208.31	150.24	184.96	0.	517.21	2095.07
2115	2303.54	810.26	532.56	543.98	303.92	0.	400.13	4908.39
2116	1631.45	121.23	50.20	90.81	44.72	15.81	107.00	1491.22
2117	337.90	216.58	90.45	459.60	105.47	0.	120.02	1480.02
2118	813.16	151.96	226.94	212.82	90.12	15.43	227.97	1735.40
2119	1508.94	367.34	256.19	137.04	91.12	693.54	553.61	3607.83
2120	2465.10	139.33	429.31	162.58	447.55	60.65	767.20	4521.97
2121	2247.35	465.80	348.00	180.66	282.98	15.61	317.17	3837.57
2122	1437.35	536.51	320.57	119.27	243.63	0.	494.94	3152.27
2123	740.50	163.75	76.10	107.10	107.19	472.82	420.10	2107.56
2124	395.98	44.30	167.12	44.46	62.13	0.	63.58	1027.64
2125	907.02	155.44	77.22	0.	92.92	201.91	270.95	1826.26
2126	670.61	150.61	149.65	651.98	60.60	16.30	137.94	1837.29
2127	0.	0.	0.	0.	0.	0.	0.	0.
2128	0.	1439.27	125.05	0.	0.	0.	179.62	1713.94
2129	1304.00	29.62	147.14	0.	77.52	0.	48.06	1606.34

1	2	3	4	5	6	7	8	9
2130	461.76	101.46	160.07	94.19	63.28	0.	270.48	1205.84
2131	750.00	76.77	197.44	45.08	105.97	0.	121.90	1333.16
2132	1490.00	628.32	410.00	359.27	119.19	61.84	416.37	3900.89
2133	2662.56	76.80	100.09	0.	137.57	0.	567.06	3349.88
2134	1494.00	123.50	105.65	61.76	199.67	0.	290.25	2274.83
2135	1730.42	87.44	229.16	47.49	31.55	0.	160.60	2307.16
2136	1625.90	61.71	154.90	0.	184.02	16.30	534.66	2575.49
2137	1615.40	63.40	156.70	30.89	93.05	0.	174.46	1536.95
2138	1567.93	197.72	100.99	0.	233.41	93.63	312.50	2312.18
2139	1464.96	92.74	175.00	14.43	190.54	14.85	188.72	2062.04
2140	550.55	105.23	165.82	15.06	191.03	94.14	217.48	1339.31
2141	961.20	90.86	60.55	0.	80.10	29.53	180.35	1410.59
2142	1827.50	228.40	197.95	0.	150.99	340.12	396.60	3141.02
2143	3491.53	355.54	502.47	2687.19	404.31	16.09	500.28	7937.41
2144	1320.90	271.82	351.13	573.55	186.09	203.32	353.07	3340.53
2145	1595.28	525.93	476.46	1487.55	216.84	0.	801.35	5103.41
2146	1032.93	107.32	189.41	105.79	249.38	0.	515.15	2229.98
2147	1061.22	298.70	251.96	201.53	62.01	15.84	681.50	2572.75
2148	175.56	339.16	600.08	157.34	152.99	0.	1644.67	3075.80
2149	1565.70	1458.16	639.37	93.69	452.69	889.84	1273.54	6572.39
2150	1269.90	151.67	150.83	61.98	105.46	0.	197.26	1937.10
2151	1209.33	90.41	110.87	45.58	136.81	59.98	376.15	2029.13
2152	833.75	241.22	201.04	0.	232.76	856.81	619.83	2990.41
2153	1725.96	91.67	29.59	15.14	169.39	0.	424.77	2455.92
2154	1531.16	108.19	214.35	93.07	221.01	0.	353.86	2601.64
2155	1416.10	555.22	363.16	1162.33	279.30	30.56	592.00	4399.47
2156	2079.00	139.29	121.30	0.	54.38	105.68	518.52	3018.17
2157	1444.80	124.55	105.62	30.68	138.04	16.66	244.35	2104.70
2158	3113.37	855.67	702.45	638.63	458.85	0.	875.48	6641.45
2159	1263.60	152.61	559.33	337.33	471.66	44.19	623.99	3452.71
2160	90.00	450.95	0.	15.00	0.	77.39	20.58	664.92

1	2	3	4	5	6	7	8	9
2201	331.80	428.66	554.95	3946.57	166.86	0.	344.98	5773.82
2202	1741.20	327.93	354.45	230.35	565.50	257.23	400.89	3967.55
2203	1670.86	156.97	95.98	0.	119.20	0.	162.20	2211.31
2204	1181.95	107.15	122.88	14.78	79.12	15.13	125.87	1646.88
2205	1631.52	204.34	212.22	203.37	220.67	152.88	323.20	3008.20
2206	2416.44	174.52	179.23	548.25	377.29	0.	414.59	4110.32
2207	2979.50	251.76	391.59	403.00	498.24	332.52	674.59	5631.50
2208	5464.02	159.42	96.68	77.24	844.96	420.38	471.18	5533.88
2209	1307.30	295.60	155.41	440.89	273.92	875.31	494.24	3842.67
2210	150.03	30.14	31.27	0.	0.	0.	0.	211.44
2211	511.20	59.32	95.69	0.	45.17	0.	0.	710.78
2212	1462.16	262.80	107.69	0.	120.67	131.28	351.94	2486.54
2213	1500.86	60.32	230.14	201.51	240.52	16.69	493.28	2792.72
2214	1371.90	76.88	78.12	15.48	62.96	128.70	300.78	2034.82
2215	910.86	15.20	90.49	0.	130.65	148.99	34.34	1336.53
2216	841.72	110.43	17.36	90.89	14.84	0.	31.09	1106.33
2217	0.	0.	32.58	49.59	15.25	0.	0.	97.42
2218	1573.04	625.56	678.95	302.49	185.11	445.37	931.09	7511.61
2219	1964.16	327.77	139.74	495.18	139.02	15.11	385.19	3466.17
2220	3575.88	339.74	226.03	1103.89	473.71	0.	658.83	6380.08
2221	2242.50	159.29	402.37	125.86	79.05	368.41	824.76	4302.24
2222	1746.76	358.33	647.44	1347.17	47.54	0.	1109.86	5259.10
2223	0.	153.64	355.65	198.00	225.94	30.94	212.78	1176.95
2224	2012.94	436.81	418.94	866.59	335.40	123.54	557.05	4724.27
2225	2462.71	396.16	455.09	385.12	228.46	1119.26	567.93	5617.73
2226	767.51	156.66	156.26	156.48	244.45	0.	110.26	1601.62
2227	1608.35	137.79	192.21	109.93	300.99	0.	198.07	2553.64
2228	1573.96	60.85	89.37	45.96	94.29	0.	256.22	2120.65
2229	744.50	107.94	120.77	31.26	154.37	244.73	256.63	1740.50
2230	84.60	90.92	262.07	44.93	140.65	489.25	271.41	1386.43

1	2	3	4	5	6	7	8	9
2231	1534.18	219.72	320.67	399.53	167.64	0.	309.05	2962.59
2232	285.00	600.37	913.98	4123.68	249.56	92.76	760.46	7065.82
2233	1900.96	63.09	0.	0.	45.37	0.	64.02	2079.44
2234	697.50	175.15	108.33	15.63	90.54	0.	79.02	1166.17
2235	1522.85	217.34	322.45	247.96	266.44	277.32	672.62	3526.98
2236	1057.08	445.57	476.05	1785.70	659.10	0.	765.69	5229.19
2237	586.74	0.	45.85	15.54	78.54	66.00	16.50	809.17
2238	463.64	0.	60.26	0.	30.64	0.	105.22	684.76
2239	0.	61.56	0.	0.	0.	0.	16.25	77.81
2240	525.50	427.01	336.59	2445.38	420.28	14.92	696.94	4666.62
2241	1468.50	140.29	91.29	135.73	142.21	0.	213.05	2191.07
2242	944.00	78.25	58.06	0.	45.31	216.51	235.02	1578.95
2301	21.32	29.68	0.	0.	0.	15.85	14.84	81.69
2302	804.10	30.59	30.83	0.	60.40	0.	61.96	987.88
2303	2322.84	509.04	350.96	216.73	351.90	2358.23	526.47	6666.17
2304	0.	493.05	367.66	2639.13	30.72	0.	402.90	3842.86
2305	323.95	347.89	709.45	441.46	31.66	15.00	202.73	2067.14
2306	3371.79	468.17	419.75	62.69	873.71	558.24	1040.09	6794.44
2307	730.59	0.	19.35	0.	89.66	72.68	0.	912.28
2308	1102.00	45.33	15.02	111.53	14.89	0.	15.33	1304.10
2309	0.	1314.77	768.93	9749.25	448.87	15.47	659.35	12956.64
2310	1485.13	77.78	201.16	0.	1217.99	87.75	197.13	3264.94
2311	2489.94	74.89	107.29	47.00	168.61	0.	517.17	3404.90
2312	1068.60	90.49	202.11	202.53	108.34	0.	159.53	1831.60
2313	1760.01	16.42	63.06	0.	93.32	0.	224.73	2157.54
2314	701.25	154.04	15.16	0.	46.91	155.75	13.75	1086.86
2315	3153.28	62.80	220.03	0.	243.40	0.	499.28	4178.79
2316	434.07	57.39	33.82	0.	14.78	0.	0.	540.06
2317	537.42	28.90	0.	29.86	10.33	0.	41.34	647.35
2318	1366.54	61.15	126.52	0.	136.71	247.45	320.85	2267.21

1	2	3	4	5	6	7	8	9
2319	491.40	105.80	32.33	53.84	174.42	60.11	382.37	1390.27
2320	3217.76	507.52	740.74	1060.95	656.63	46.41	873.18	7103.19
2321	1057.32	525.67	1117.56	1150.23	136.20	15.39	750.61	5552.98
2322	185.94	61.55	46.41	0.	0.	0.	101.21	395.11
2323	3431.97	106.37	231.00	263.18	290.25	92.34	666.84	5168.75
2324	22.00	0.	0.	0.	0.	0.	0.	22.00
2325	195.00	0.	0.	0.	0.	0.	0.	195.00
2326	204.75	0.	0.	0.	70.40	0.	17.60	292.75
2327	123.20	63.90	194.08	0.	122.10	762.14	261.15	1526.57
2328	1256.33	227.00	310.02	30.96	464.52	2170.55	496.10	4956.25
2329	327.60	29.58	0.	30.32	63.04	0.	15.45	465.99
2330	283.75	30.81	0.	0.	32.67	15.75	36.50	406.48
2331	500.34	0.	94.24	0.	15.48	0.	51.52	661.58
2332	510.00	77.39	60.05	0.	59.78	0.	152.00	859.22
2333	873.81	250.85	292.07	130.38	61.45	180.13	202.66	1991.35
2334	217.50	46.09	84.38	29.20	15.29	0.	29.78	422.24
2335	684.00	108.06	76.18	0.	49.50	0.	15.85	933.59
2336	729.12	0.	0.	0.	29.12	0.	0.	758.24
2401	1108.87	78.75	15.19	63.05	48.37	0.	121.80	1436.03
2402	168.00	15.83	0.	0.	0.	0.	0.	183.83
2403	157.50	0.	31.18	0.	65.06	0.	45.54	300.08
2404	520.20	30.78	0.	14.45	45.69	0.	115.68	726.80
2405	782.81	29.91	76.70	0.	105.26	0.	91.06	1085.74
2406	640.42	47.37	31.24	16.10	31.51	0.	46.80	813.44
2407	563.50	31.00	45.47	0.	15.62	0.	59.28	714.87
2408	172.81	0.	15.40	0.	45.89	0.	88.22	322.32
2409	305.00	50.80	0.	0.	46.20	0.	0.	385.00
2410	203.00	15.11	0.	0.	33.34	0.	45.67	297.12
2411	750.15	118.33	114.24	90.20	51.84	200.92	132.28	1457.96
2412	364.00	0.	64.56	0.	15.74	0.	0.	444.30
2413	625.68	60.57	14.45	14.06	30.04	0.	75.04	819.84

1	2	3	4	5	6	7	8	9
2414	524.37	30.73	15.11	0.	272.27	0.	0.	842.48
2415	243.96	122.00	90.86	0.	0.	0.	231.54	988.44
2416	1253.30	611.31	244.65	573.09	451.55	0.	600.97	4039.87
2417	1032.54	105.52	298.17	573.03	215.01	632.40	623.98	4161.45
2418	883.20	0.	59.13	10.80	45.51	0.	168.68	1173.32
2419	840.13	61.59	63.06	33.01	47.34	568.71	322.55	1936.39
3101	0.	1935.05	38.80	0.	0.	0.	139.69	1205.54
3102	285.00	548.03	62.75	73.58	30.66	0.	106.22	1109.44
3103	113.55	152.43	62.56	0.	94.72	0.	65.46	518.72
3104	568.55	972.99	66.47	141.67	47.08	75.95	341.42	2206.13
3105	69.00	212.16	14.01	0.	0.	0.	0.	286.97
3106	1043.80	47.83	159.34	98.32	269.85	0.	226.56	1846.20
3107	0.	0.	15.30	0.	78.11	0.	0.	93.41
3108	0.	4167.27	530.22	895.27	441.57	0.	900.16	6934.49
3109	1168.12	62.77	89.37	15.77	489.85	15.23	182.15	2023.26
3110	1340.34	0.	75.64	0.	202.40	14.92	167.52	1600.82
3111	110.41	1040.10	182.72	192.09	255.92	0.	890.85	2724.09
3112	50.55	4605.22	298.11	18.25	15.28	0.	480.75	5482.26
3113	89.00	396.77	0.	0.	0.	0.	114.83	596.60
3201	1045.50	541.94	212.08	215.36	76.84	0.	302.98	2394.70
3202	784.40	326.37	125.23	76.89	228.93	30.13	465.93	2067.88
3203	1152.67	325.36	156.56	58.87	108.87	0.	91.70	1918.03
3204	379.25	124.92	74.77	14.14	122.12	412.64	199.40	1327.24
3205	224.40	347.22	140.17	1794.06	76.58	30.16	370.00	2982.59
3206	1650.36	313.84	745.30	925.10	333.56	0.	435.57	4409.73
3207	2839.12	224.27	248.69	61.46	247.41	0.	349.33	3970.28
3208	348.60	1122.66	165.05	118.99	45.59	0.	103.98	1904.87
3209	0.	840.89	0.	0.	0.	0.	83.16	929.05
3210	0.	30.67	15.28	0.	94.19	0.	0.	140.14
3211	1044.92	37.71	15.42	15.44	76.67	0.	91.08	1336.84

1	2	3	4	5	6	7	8	9
3212	824.68	354.42	207.82	77.16	201.32	0.	354.02	2020.42
3213	1936.44	04.56	180.73	226.11	139.22	494.21	230.61	3291.88
3214	1233.19	30.17	126.83	215.14	93.04	0.	103.63	1802.00
3215	1911.60	412.01	187.42	3087.28	210.37	0.	316.06	6131.54
3216	1077.73	59.74	94.44	167.24	170.96	0.	59.09	1629.20
3217	400.12	532.16	359.74	213.04	539.94	1911.16	769.34	4733.50
3218	105.00	211.31	328.87	183.65	304.91	222.56	355.69	1711.99
3219	196.00	238.31	60.62	192.74	30.17	182.05	31.86	933.75
3220	0.	15.76	0.	0.	0.	0.	15.45	31.21
3301	325.00	91.32	0.	0.	16.50	0.	27.89	460.71
3302	34.00	29.31	0.	0.	46.44	0.	29.84	139.59
3303	934.96	151.96	272.55	292.57	168.06	16.12	240.57	2976.79
3304	4099.80	366.30	410.15	198.77	442.62	745.28	798.70	7681.62
3305	1130.28	15.37	48.53	48.34	124.03	0.	286.18	1658.73
3306	620.20	30.82	50.35	48.60	51.61	0.	60.84	1074.42
3307	343.92	15.00	0.	32.83	137.66	0.	30.78	560.19
3308	992.25	0.	0.	0.	0.	0.	15.75	1008.00
3309	274.95	749.92	398.30	15.30	223.56	0.	893.23	3055.26
3310	177.71	0.	0.	0.	0.	0.	0.	177.71
3311	2362.40	121.97	286.39	405.35	416.87	14.89	465.55	4093.42
3312	117.36	27.00	0.	0.	15.48	0.	29.78	189.62
3313	1640.92	2398.86	785.55	463.83	502.28	733.43	1195.73	7920.62
3314	1039.13	1990.39	217.32	110.56	243.23	436.26	227.43	3364.32
3315	2050.20	135.07	476.25	910.85	522.87	1278.40	1240.38	6914.02
3316	1354.99	242.24	220.00	446.84	226.47	0.	452.55	2945.09
3317	2490.04	212.64	559.16	702.15	304.81	14.92	494.41	4786.13
3318	260.72	75.80	80.14	15.75	44.69	373.92	218.66	1075.68
3319	622.46	15.45	110.08	15.75	75.51	16.33	61.27	946.85
3320	270.00	31.09	0.	0.	0.	0.	0.	301.09
3321	257.94	13.50	44.47	0.	60.42	0.	29.43	405.76
4101	160.37	644.12	169.12	64.68	73.82	29.98	552.69	1800.78

1	2	3	4	5	6	7	8	9
4102	3174.71	749.46	571.47	135.20	592.08	243.61	717.03	6183.56
4103	1218.28	551.35	305.52	414.31	229.10	76.95	297.31	3392.82
4104	237.50	630.90	30.33	16.03	76.45	141.42	339.02	1471.65
4105	550.24	348.72	197.57	15.19	62.71	0.	93.64	1368.07
4106	930.00	102.22	100.15	0.	14.20	0.	150.04	1376.61
4107	697.82	59.95	30.52	45.29	108.52	107.53	203.55	1453.18
4108	130.50	165.85	200.19	430.63	96.64	0.	75.37	1099.18
4109	275.38	139.70	31.28	75.86	29.98	0.	77.75	629.95
4110	39.00	90.98	46.52	0.	27.50	0.	0.	197.00
4111	18.00	1237.88	211.97	263.94	0.	0.	121.57	1903.36
4112	0.	644.61	179.67	505.09	0.	0.	74.69	1404.06
4201	893.20	154.27	75.63	76.84	61.56	1387.62	203.03	2952.15
4202	1570.92	164.81	76.57	181.83	230.92	0.	122.20	2347.25
4203	1110.24	374.93	110.13	125.46	192.64	139.44	153.69	2206.53
4204	1030.16	266.70	105.02	15.55	270.67	785.07	249.35	2728.52
4205	874.54	77.33	30.84	0.	93.82	0.	155.14	1231.67
4206	1421.33	403.38	184.42	29.49	497.32	1045.74	219.47	3301.15
4207	612.94	104.50	29.64	0.	109.39	0.	15.00	1971.47
4208	291.60	110.47	28.94	30.32	123.64	0.	30.08	615.05
4209	183.00	41.50	46.50	15.49	61.38	0.	10.80	358.67
4210	0.	0.	0.	0.	0.	0.	0.	0.
4301	2812.48	368.09	761.65	892.72	715.06	0.	1060.44	6618.44
4302	8442.05	225.50	1092.92	349.74	896.63	1067.35	2295.85	14370.09
4303	919.10	75.96	183.66	181.66	75.58	0.	149.28	1585.24
4304	3770.29	507.10	902.18	3510.89	950.49	1087.69	1563.10	12303.74
4305	1211.64	45.19	92.67	0.	60.77	15.49	91.11	1516.87
4306	141.03	14.82	15.10	0.	45.69	0.	70.70	287.34
4307	14.00	0.	15.74	0.	15.74	0.	31.34	76.82
4308	2770.04	138.71	227.90	23.28	181.16	386.95	136.06	3869.18
4309	599.70	213.25	604.40	121.30	493.91	739.56	1257.66	9564.83

1	2	3	4	5	6	7	8	9
4310	1373.26	364.80	603.44	1693.77	380.12	819.26	876.50	6116.15
4311	389.79	119.40	19.25	0.	0.	15.49	89.98	629.91
4312	95.00	0.	33.50	0.	0.	0.	0.	129.50
4313	171.00	0.	30.52	0.	14.14	0.	0.	215.46
4314	0.	15.48	15.10	0.	15.22	0.	0.	45.80
5101	13.86	1363.52	146.31	30.70	0.	14.56	113.75	1687.70
5102	335.50	690.09	169.54	15.44	76.55	0.	152.73	1437.95
5103	1216.00	709.07	272.54	51.21	124.92	16.03	199.53	2650.10
5104	0.	1407.17	61.18	0.	75.27	0.	217.24	1760.86
5105	189.96	1110.41	63.31	0.	13.66	0.	140.50	1517.84
5106	0.	167.07	0.	0.	0.	0.	0.	167.07
5107	181.56	784.35	79.40	139.07	14.79	0.	240.61	1439.78
5108	2571.40	1120.49	270.20	103.85	289.73	15.16	418.85	4862.70
5201	3052.35	1098.27	204.21	63.43	121.02	10.86	410.90	4980.98
5202	0.	0.	0.	29.44	0.	0.	0.	29.44
5203	2540.60	78.50	116.00	0.	134.36	0.	405.01	3280.47
5204	2913.72	196.74	481.25	876.74	139.79	29.72	322.24	4960.20
5301	0.	10682.34	187.81	91.14	279.53	171.30	1005.02	12417.14
5302	603.00	6067.26	580.08	1679.70	380.17	140.10	904.35	10388.66
5303	517.68	61.96	50.63	0.	63.27	0.	13.25	714.79
5304	155.30	0.	0.	0.	0.	0.	0.	133.30
5305	293.40	517.52	293.41	15.55	31.56	3607.93	322.08	5146.45
5306	632.00	0.	158.36	0.	176.90	0.	61.86	1029.12
5307	2337.48	30.76	174.63	32.22	180.13	296.48	191.01	3250.71
5308	980.40	96.09	63.30	46.85	29.60	221.56	143.92	1581.72
5309	1854.02	221.75	216.38	266.52	131.05	0.	219.86	2909.58
5310	1319.76	6829.59	769.87	273.45	449.02	65.81	1629.10	11336.60
5311	2295.20	92.55	173.31	210.36	363.12	31.35	220.97	3394.86
5312	1577.68	0.	126.89	0.	110.18	0.	30.20	1844.95
5313	1901.25	302.70	172.64	426.88	210.62	1208.74	380.58	4689.61

1	2	3	4	5	6	7	8	9
5314	1240.85	0.	146.19	14.30	32.68	0.	77.81	1511.91
5315	252.00	79.23	127.86	1555.34	32.60	0.	62.39	2112.92
5316	945.80	60.15	16.16	30.18	157.69	33.32	15.90	1299.20
5317	2026.95	366.05	203.24	61.83	356.67	0.	222.07	3238.99
5318	0.	14.95	0.	0.	195.77	0.	58.98	269.70
5319	614.08	0.	47.57	0.	136.98	0.	15.43	814.06
5320	1417.23	824.44	1324.11	1303.19	552.36	29.51	835.68	6286.52
5321	1182.96	313.58	238.74	14.98	94.97	1102.78	236.36	3186.37
5322	39.12	124.32	266.10	17.05	15.13	0.	195.67	687.39
5323	0.	46.04	95.36	0.	169.96	15.58	15.51	342.39
5324	0.	0.	0.	0.	0.	0.	0.	0.
5325	1264.09	138.36	297.15	0.	564.30	15.13	573.73	2902.76
5326	17.00	156.32	157.91	1144.55	137.56	0.	62.37	1675.71
5327	2800.34	93.95	148.76	80.71	170.58	265.52	211.20	3771.06
5328	2071.04	260.33	555.17	79.75	566.75	2030.62	778.32	6344.48
5329	223.56	372.09	801.55	596.73	172.12	15.23	168.16	2349.44
5330	0.	266.79	141.33	31.02	16.42	0.	84.69	540.25
5331	1569.60	0.	62.26	15.11	129.41	0.	32.70	1309.08
5332	2725.72	62.31	174.13	0.	270.21	464.47	528.62	4225.46
5333	2766.75	80.56	110.77	0.	109.28	0.	64.34	3131.70
5334	144.40	16.10	16.18	2.	0.	0.	16.18	197.94
5335	10.00	6.	0.	0.	0.	0.	0.	10.00
5401	40.00	20.00	0.	0.	0.	0.	0.	60.00
5402	133.30	15.58	36.00	0.	32.84	0.	0.	217.72
5403	393.64	0.	50.50	0.	14.66	0.	60.86	519.66
5404	2667.72	92.44	225.24	0.	295.89	125.63	223.75	3630.67
5405	0.	143.25	31.57	0.	161.93	0.	16.29	353.04
5406	363.40	0.	0.	0.	10.17	14.42	14.44	410.43
5501	40.00	0.	0.	0.	0.	0.	23.34	71.34
5502	15.00	77.56	47.56	0.	29.92	312.28	83.21	700.13

1	2	3	4	5	6	7	8	9
5503	126.00	0.	0.	0.	16.68	0.	36.34	179.02
5504	0.	0.	0.	21.50	0.	0.	0.	21.50
5505	150.50	0.	0.	0.	0.	0.	0.	150.50
5506	238.00	0.	51.00	0.	14.85	16.61	0.	320.46
5507	22.00	0.	0.	44.01	0.	0.	0.	70.01
5508	243.75	0.	0.	0.	0.	0.	0.	243.75
5509	10.50	0.	0.	0.	0.	0.	15.46	31.96
5510	52.00	0.	0.	0.	0.	0.	16.42	549.58
5511	1631.40	481.16	0.	0.	0.	0.	212.46	2776.00
5512	1503.32	252.60	128.69	277.95	272.90	0.	370.01	4052.64
5513	1751.40	560.56	449.52	472.21	299.32	397.70	158.83	2470.22
5514	800.80	111.27	175.36	0.	92.57	180.29	399.39	2670.45
6101	610.49	505.29	393.83	166.82	319.62	76.70	303.14	2620.61
6102	800.80	808.31	120.32	198.10	152.45	427.80	400.42	2673.33
6103	357.50	440.43	458.76	225.94	227.19	128.58	46.84	811.95
6104	1111.88	207.43	93.52	16.14	15.39	15.13	634.42	3924.57
6105	2117.82	482.07	151.26	1179.63	335.27	30.04	364.04	3964.41
6106	1714.14	479.85	303.09	245.15	363.94	90.52	457.50	3601.78
6107	364.80	460.64	398.19	197.72	326.99	46.60	106.64	1300.14
6108	331.54	687.10	90.35	15.94	15.31	0.	92.29	752.91
6109	658.14	102.11	91.22	60.25	15.50	0.	167.06	1756.24
6110	1551.35	462.07	198.46	0.	270.51	0.	199.28	2092.27
6111	1920.00	121.02	81.62	183.98	155.02	0.	536.04	3829.59
6112	1775.40	155.63	197.29	61.61	412.22	546.80	776.53	3603.11
6113	2135.92	276.93	152.81	440.21	40.22	135.01	153.01	3163.88
6114	1667.44	181.84	135.79	197.37	309.95	0.	293.25	2532.01
6115	1663.20	46.63	135.66	65.47	123.56	0.	0.	1954.47
6116	3359.25	93.70	31.06	0.	135.07	30.64	514.46	5194.95
6201	1460.15	386.88	447.39	74.97	291.80	119.70	243.84	2570.91
6202	0.	234.95	127.91	75.30	120.46	297.30	210.40	5458.46
6203	884.95	702.94	344.36	4143.93	59.03	0.	147.38	5639.11
		151.57	231.90	4146.29	77.02	0.		

1	2	3	4	5	6	7	8	9
6204	2875.56	123.81	121.24	543.93	262.16	893.81	354.48	5175.29
6205	2175.00	45.97	183.70	126.69	121.46	15.58	350.63	3020.03
6206	2377.30	153.45	259.78	333.36	289.96	354.07	656.14	4424.06
6207	2330.18	137.27	31.16	643.41	45.12	732.97	125.43	4051.54
6208	1694.50	105.55	31.46	0.	685.06	0.	136.08	2648.65
6209	1137.38	15.00	67.43	0.	93.49	0.	75.54	1388.84
6210	1003.04	217.61	153.77	885.70	303.82	1115.56	594.64	4334.20
6211	0.	442.31	835.39	5095.40	218.78	0.	1011.00	7683.38
6301	210.00	00.61	0.	0.	61.22	517.93	60.93	910.69
6302	160.00	103.34	89.06	218.28	0.	0.	30.09	601.37
6303	1072.61	14.93	61.85	61.30	207.89	0.	0.	1418.78
6304	1091.43	134.81	109.77	0.	139.34	75.08	92.53	1642.96
6305	581.74	468.78	186.08	165.64	210.87	0.	229.34	1864.25
6306	3662.16	330.85	743.28	1510.54	291.12	109.15	444.34	7631.44
6307	2337.40	105.68	60.37	61.09	140.11	0.	80.03	2804.68
6308	414.00	123.79	29.49	39.84	0.	583.01	76.88	1258.01
6309	192.61	216.30	31.87	16.29	86.96	0.	29.20	573.23
6310	321.75	0.	0.	0.	30.26	0.	0.	352.01
6311	1562.40	31.84	32.08	14.44	164.57	0.	46.22	1851.55
6312	654.42	0.	94.94	0.	14.67	0.	0.	764.03
6313	102.00	0.	15.39	0.	0.	14.70	0.	135.09
6314	1345.50	107.09	92.62	61.18	747.60	14.95	179.59	2628.55
6315	909.54	208.72	173.14	13.89	165.89	2259.86	261.36	4072.40
6316	1774.45	425.98	248.45	774.68	486.49	2321.57	744.77	6776.39
6317	777.04	0.	60.61	0.	52.89	0.	34.22	925.76
6318	172.50	0.	0.	0.	0.	0.	0.	175.50
6319	41.01	16.12	0.	0.	0.	0.	0.	57.13
6320	0.	0.	0.	0.	0.	0.	0.	0.
6321	521.05	203.60	112.20	0.	62.45	0.	139.68	1039.78
6401	3.50	0.	51.84	0.	0.	0.	31.66	91.40

1	2	3	4	5	6	7	8	9
6402	345.00	11.50	0.	0.	0.	0.	0.	356.50
6403	161.00	15.50	0.	54.17	32.69	0.	15.00	278.36
6404	920.70	354.49	203.44	0.	123.68	0.	82.50	1684.81
6405	130.70	0.	40.06	0.	31.86	0.	0.	209.42
6406	66.00	0.	0.	0.	14.85	0.	0.	80.85
6407	130.50	30.07	93.26	0.	15.57	0.	15.53	284.93
6408	192.00	14.27	0.	0.	0.	0.	0.	206.27
6409	170.50	17.06	0.	0.	15.00	0.	17.06	219.62
6410	755.50	612.28	62.85	0.	211.42	559.54	73.52	2276.11
6411	221.78	31.06	31.06	0.	30.35	0.	0.	314.25
6412	289.00	29.13	31.17	21.50	0.	0.	0.	370.80
6413	173.30	23.00	0.	0.	0.	0.	0.	196.30
6414	339.12	71.73	46.09	16.17	15.57	246.82	15.53	751.83
6415	242.25	47.35	0.	14.42	18.60	124.35	52.00	498.97
6416	53.00	109.60	0.	0.	15.00	0.	0.	182.60
6417	463.75	30.22	16.17	0.	77.65	45.60	16.62	650.01
6418	259.00	0.	64.80	0.	0.	0.	13.39	337.69
6419	1332.50	119.90	89.03	0.	192.35	1003.58	245.07	2982.49
6420	0.	0.	0.	0.	0.	0.	0.	0.
6421	0.	0.	62.12	0.	0.	0.	0.	62.12
6422	98.00	201.59	16.31	0.	80.85	0.	78.02	474.77
6423	1260.84	76.99	187.05	0.	92.16	45.52	33.18	1695.74
6424	148.80	498.12	48.51	56.43	0.	0.	53.80	805.66
6425	659.19	108.71	229.99	308.95	94.39	571.02	343.34	2315.59
6426	3432.13	30.80	284.20	0.	193.56	0.	497.75	4438.50
6427	93.36	308.50	144.44	46.59	286.42	0.	189.76	1069.13
6428	84.00	123.93	113.25	1046.24	142.63	71.46	105.40	1686.91
6429	526.69	09.11	371.63	953.45	16.59	16.59	290.95	2265.01
6430	280.80	49.69	64.49	112.95	31.50	0.	50.97	598.40
6431	85.00	213.07	15.20	3.	63.30	0.	0.	376.57

1	2	3	4	5	6	7	8	9
0432	570.85	32.33	85.15	31.42	95.30	0.	63.12	876.17
0433	922.88	192.94	119.28	108.30	94.68	360.57	277.91	2076.76
0434	792.89	95.49	105.76	76.90	68.27	16.99	62.41	1218.71
0435	50.68	0.	93.26	14.42	0.	14.42	77.63	256.41
0436	1057.90	16.50	149.00	0.	63.51	16.38	107.00	1410.29
0437	1400.68	98.37	150.31	16.30	36.03	171.84	321.39	2205.60
0438	229.60	94.64	33.06	16.32	55.64	0.	85.63	515.69
0439	115.50	32.30	261.00	0.	0.	0.	0.	459.40
0440	44.25	509.80	694.25	788.68	47.52	0.	491.41	2635.91
0441	241.06	313.91	223.03	560.04	121.03	0.	414.22	1874.09
0442	222.21	192.43	326.99	236.42	89.47	0.	245.77	1343.29
0443	97.50	637.33	347.79	632.16	343.18	0.	238.29	2796.25
0444	962.35	245.77	353.50	61.58	295.45	-1770.47	744.61	4433.73
0445	1202.38	28.92	149.09	48.30	138.60	0.	129.52	1696.81
0446	207.96	95.28	44.20	44.67	23.50	94.40	109.79	619.80
0447	0.	47.25	229.42	16.32	15.17	0.	94.81	402.97
0448	172.25	200.00	226.54	950.30	108.20	0.	175.28	1832.57
0449	2444.12	301.33	254.19	2068.74	173.95	0.	357.93	5640.26
0450	156.00	0.	26.00	0.	0.00	0.	0.	190.00
0451	1261.26	56.59	92.50	314.69	30.15	0.	49.55	1804.54
0452	1352.40	105.23	105.39	0.	133.83	617.37	167.77	2484.99
0453	599.34	493.02	487.21	31.20	277.58	0.	958.82	2847.17
0454	1302.00	16.10	32.48	0.	78.12	0.	146.12	1578.42
0455	277.20	0.	67.81	15.53	89.52	0.	0.	450.00
0456	1634.05	114.07	382.51	15.24	287.51	120.92	230.57	2785.67
0501	116.00	0.	43.34	0.	10.17	159.29	90.00	425.30
0502	300.00	0.	0.	0.	0.	0.	0.	300.00
0503	115.20	0.	0.	0.	0.	0.	0.	115.20
0504	115.98	0.	0.	0.	19.33	0.	0.	135.31
0505	57.99	0.	0.	0.	0.	0.	0.	57.99

1	2	3	4	5	6	7	8	9
0506	93.75	0.	0.	0.	42.32	0.	0.	136.07
0507	54.00	0.	0.	0.	0.	0.	0.	54.00
0508	20.00	0.	0.	0.	0.	0.	0.	28.00
0509	88.00	0.	11.00	0.	0.	0.	21.50	120.50
0510	193.29	30.88	0.	0.	0.	0.	0.	230.17
0511	311.74	15.50	30.48	34.66	57.64	0.	0.	450.02
0512	1129.46	470.00	240.08	119.36	259.73	266.13	44.72	2529.50
0513	354.48	109.10	238.01	97.39	92.17	0.	93.42	1065.37
0514	172.50	11.50	0.	153.80	0.	0.	0.	337.80
0515	156.00	0.	19.75	0.	0.	0.	0.	177.75
0516	0.	0.	0.	0.	0.	0.	0.	0.
0517	180.00	0.	0.	0.	25.75	143.25	0.	349.00
0518	27.00	0.	9.00	0.	0.	0.	0.	36.00
0519	234.72	0.	14.17	0.	0.	0.	0.	248.89
0520	294.71	15.93	42.37	0.	16.87	0.	0.	369.88
0521	379.95	0.	0.	0.	75.99	0.	0.	455.94
0522	476.00	0.	27.20	0.	0.	0.	13.60	516.80
0523	227.20	0.	0.	0.	0.	0.	0.	227.20
0524	61.00	50.03	77.92	0.	14.20	260.81	0.	463.96
0525	270.64	14.20	29.20	0.	0.	0.	0.	320.24
0526	91.25	0.	0.	0.	0.	0.	0.	91.25
0527	253.50	0.	0.	-0.	0.	0.	0.	253.50
0528	81.00	0.	0.	0.	31.86	0.	0.	112.86
0529	840.00	140.46	154.67	0.	109.95	0.	193.60	1438.68
0530	527.69	89.82	204.28	333.30	103.46	0.	62.43	1318.98
0531	279.50	13.60	15.43	0.	89.00	1045.34	192.32	1635.69
0532	289.00	0.	45.00	15.93	0.	0.	0.	389.93
0533	99.75	0.	0.	0.	0.	0.	0.	99.75
0534	351.00	0.	0.	0.	0.	0.	0.	351.00
0535	226.75	15.00	110.25	10.75	0.	0.	0.	364.75
7101	62.00	1504.31	197.34	246.94	153.43	0.	90.33	2254.35

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DOCUMENT**

	1	2	3	4	5	6	7	8	9
7209	247.00	128.20	40.27	600.65	0.	0.	0.	61.36	1135.54
7210	4653.37	255.95	196.16	77.07	432.07	76.15	562.79	562.79	6458.56
7211	3613.16	165.98	164.12	252.74	400.57	213.62	458.55	458.55	5220.74
7212	2112.00	243.88	439.02	29.83	702.60	2124.02	1220.66	1220.66	6872.61
7213	2829.40	59.88	214.71	46.99	260.36	0.	575.24	575.24	3986.58
7214	44.00	502.43	320.83	3816.67	996.57	0.	791.68	791.68	6472.18
7301	496.60	0.	14.73	0.	106.69	0.	0.	0.	618.19
7302	87.50	0.	0.	0.	14.66	0.	0.	0.	102.16
7303	75.00	0.	44.17	0.	14.85	0.	0.	0.	134.02
7304	60.00	15.23	48.09	0.	33.24	0.	33.24	33.24	189.80
7305	1340.22	179.74	401.42	274.65	286.96	504.44	283.79	283.79	3287.22
7306	3992.55	107.51	174.07	0.	261.12	0.	105.86	105.86	4554.11
7307	1194.80	39.90	16.56	0.	177.73	350.63	29.70	29.70	1813.32
7308	64.00	0.	64.00	0.	15.20	0.	0.	0.	167.20
7309	324.00	12.00	0.	0.	29.82	0.	0.	0.	365.82
7310	221.25	14.78	15.55	0.	16.62	0.	0.	0.	268.20
7311	144.00	129.51	61.29	0.	98.58	1042.45	29.70	29.70	1505.53
7312	242.62	0.	0.	11.33	14.93	0.	0.	0.	268.88
7313	213.60	14.27	68.15	0.	38.50	0.	0.	0.	336.52
7314	772.50	15.10	31.57	0.	119.17	0.	43.29	43.29	984.63
7315	1044.40	15.48	46.11	15.25	78.50	0.	0.	0.	1199.74
7316	1713.28	0.	136.34	0.	167.37	0.	75.76	75.76	2097.75
7317	0.	0.	0.	0.	32.15	75.79	16.79	16.79	124.73
7318	955.04	91.14	137.44	154.19	200.54	30.50	107.05	107.05	1679.90
7319	646.90	14.93	96.50	0.	60.35	0.	138.44	138.44	958.92
7320	793.00	158.87	297.71	0.	106.56	842.36	96.06	96.06	2294.56
7321	40.00	156.36	45.72	123.11	0.	0.	0.	0.	365.19
7322	0.	0.	0.	0.	0.	0.	15.23	15.23	15.23
7323	10.00	0.	0.	0.	0.	0.	0.	0.	18.00
7324	600.99	64.27	78.79	14.92	74.87	31.70	44.38	44.38	909.92

1	2	3	4	5	6	7	8	9
7325	2090.75	108.64	70.70	39.46	404.54	0.	76.81	2798.90
7326	542.50	29.20	0.	104.67	75.14	0.	13.89	825.40
7327	0.	15.05	75.16	60.60	45.75	0.	15.23	211.87
7328	2562.00	242.59	183.16	44.88	289.60	605.23	166.49	4153.95
7401	235.00	77.19	50.57	0.	26.28	0.	0.	391.04
7402	333.50	0.	14.50	0.	43.50	0.	0.	391.50
7403	43.00	0.	29.93	16.59	0.	0.	0.	94.52
7404	144.00	0.	0.	0.	0.	0.	0.	144.00
7405	144.00	46.61	33.50	0.	0.	360.19	0.	584.30
7406	450.58	143.74	179.	57.42	14.38	0.	107.23	953.15
7407	115.20	32.34	0.	0.	0.	0.	0.	147.54
7408	347.20	14.40	12.40	0.	12.40	0.	0.	386.40
8101	345.36	521.50	75.98	134.73	14.13	32.28	122.17	1246.23
8102	1722.56	2720.39	996.01	91.60	575.32	126.27	1040.39	7873.34
8103	1224.26	157.35	50.02	0.	44.25	141.72	344.69	1962.29
8104	100.00	1493.23	352.15	314.87	0.	14.75	355.55	2630.55
8105	40.50	216.93	91.10	45.62	0.	0.	59.59	453.74
8106	1979.04	435.40	319.22	306.08	317.32	0.	497.24	3654.30
8107	0.	307.16	120.44	131.65	29.24	0.	16.79	685.20
8108	0.	304.85	46.06	0.	29.60	0.	0.	441.31
8109	0.	197.52	15.17	46.68	30.11	0.	0.	289.48
8110	1074.56	762.90	306.72	1725.84	659.24	106.16	1554.39	6209.81
8111	32.50	170.43	126.52	47.09	153.67	1069.69	248.95	1848.85
8112	608.96	138.33	30.14	15.03	179.73	15.06	183.51	1170.76
8113	2206.44	1625.56	290.41	138.97	518.79	4225.19	1106.33	10113.69
8114	2770.62	305.70	551.99	320.92	723.51	155.08	426.08	5253.90
8115	433.76	354.32	472.68	135.84	119.54	310.76	225.66	2057.56
8116	364.50	137.12	204.10	45.16	165.85	0.	28.28	945.01
8117	15.29	12572.45	531.69	16.53	121.15	0.	1104.48	14161.59
8118	980.02	719.67	185.64	439.62	774.20	15.46	1237.93	4360.54

1	2	3	4	5	6	7	8	9
8119	0.	76.33	14.85	30.68	136.94	0.	43.89	302.69
8120	0.	1032.72	93.99	152.70	0.	13.67	16.40	1309.48
8201	1867.44	615.38	85.68	513.09	273.68	258.73	542.08	4162.46
8202	929.88	376.46	309.48	543.08	44.62	0.	496.52	2705.04
8203	4242.12	769.03	545.00	548.31	981.99	1074.32	2258.94	10417.71
8204	964.23	136.10	74.39	9.	286.56	0.	221.48	1685.06
8205	2010.08	103.02	107.39	0.	169.66	0.	137.53	2527.71
8206	1510.96	121.52	164.34	654.25	237.92	0.	535.91	3224.90
8207	2395.20	16.30	61.39	0.	336.50	15.31	226.04	3050.74
8208	4752.64	376.46	245.08	14.66	1197.78	1685.71	1478.26	9750.59
8209	3170.53	219.12	520.88	563.20	440.29	137.79	817.65	5669.46
8210	847.84	15.36	45.98	29.68	181.67	0.	261.48	1382.03
8211	75.00	1178.37	1241.40	12790.27	249.82	0.	1577.23	17112.09
8212	733.15	420.19	226.42	246.88	422.06	1368.84	1327.03	4776.57
8213	2672.80	230.09	237.44	16.91	319.77	0.	287.16	3964.17
8214	2223.65	239.29	289.31	136.71	402.32	16.24	460.76	3818.28
8215	1691.61	712.53	703.43	722.85	698.03	1611.62	1475.37	7681.44
8216	685.20	74.60	45.58	30.06	150.22	0.	702.11	1687.77
8217	2437.94	62.44	168.87	240.30	284.36	299.11	890.78	4383.62
8218	2196.49	152.83	177.18	167.66	413.67	244.12	675.73	4029.68
8219	2710.94	47.40	90.29	0.	329.56	0.	376.32	3554.51
8220	1244.10	88.12	237.98	2108.21	180.06	0.	256.93	4116.20
8221	2003.30	617.55	443.65	814.66	287.35	74.91	450.61	4730.03
8222	1013.26	268.62	126.03	306.82	283.16	29.58	402.87	2430.34
8223	651.74	232.22	106.01	72.69	76.05	0.	107.00	1255.92
8224	2341.44	46.29	184.05	46.98	96.13	15.36	539.09	3265.34
8225	3947.52	170.20	131.19	812.83	459.19	263.34	606.41	6410.76
8226	682.91	73.34	46.70	14.30	105.02	0.	212.97	1137.74
8227	3235.68	559.10	502.93	833.72	604.34	30.00	595.09	6360.94
8228	1073.17	2554.16	429.96	262.39	222.98	96.72	359.92	5104.30
8229	1369.28	235.16	198.27	303.93	425.93	14.66	651.40	3328.63

1	2	3	4	5	6	7	8	9
8230	0.	3316.51	60.10	15.00	49.42	0.	132.95	3573.98
8231	21.00	330.85	162.48	2398.37	281.01	0.	77.34	3270.05
8232	1981.28	779.60	260.12	926.83	1296.63	44.77	1076.65	6395.88
8233	2092.35	143.72	75.31	46.49	165.32	0.	218.41	2741.60
8234	2743.59	156.22	79.86	0.	358.71	397.55	414.19	3179.32
8235	334.75	656.23	1351.77	2246.10	833.17	256.13	650.40	7028.55
8236	3309.09	92.20	240.97	30.29	325.85	61.26	451.26	4511.00
8237	554.58	0.	0.	0.	0.	0.	0.	554.58
8238	2763.90	302.06	164.20	117.09	109.01	47.05	260.05	3764.16
8239	2986.13	133.52	111.73	117.93	286.32	0.	401.61	4057.24
8240	1470.07	221.46	167.70	379.60	138.80	0.	656.83	3042.46
8241	099.30	890.44	274.04	4359.09	938.00	582.33	2013.05	9756.25
8242	0.	1532.10	790.25	8285.54	45.42	0.	195.52	10848.89
8243	30.48	518.90	365.80	3795.00	62.04	46.35	196.27	5014.90
8301	2376.99	131.90	113.82	0.	270.96	213.27	252.81	3365.75
8302	3099.00	167.21	349.89	1626.65	411.62	123.86	715.09	6493.92
8303	1951.36	122.10	49.56	0.	141.62	495.99	340.75	3109.38
8304	203.00	0.	14.70	0.	0.	0.	0.	214.70
8305	240.00	0.	0.	0.	30.97	0.	0.	270.97
8306	1940.40	327.16	184.67	178.55	013.68	1734.03	549.37	5527.86
8307	721.60	300.72	387.54	623.60	267.75	375.83	398.94	3135.98
8308	233.40	0.	0.	0.	0.	0.	0.	239.40
8309	788.64	15.85	17.47	15.36	257.46	0.	16.26	1111.24
8310	1913.68	76.05	15.04	0.	45.30	0.	140.24	2195.31
8311	3082.51	624.03	495.69	1714.44	369.48	15.49	903.14	7204.78
8312	1790.56	63.70	120.64	64.14	351.90	1167.92	485.51	4114.37
8313	1450.70	30.04	93.25	15.25	240.24	569.75	353.06	2752.29
8314	3213.54	136.34	75.98	28.12	411.85	670.19	478.20	5061.22
8315	1773.53	0.	61.62	0.	110.39	0.	134.50	2077.04
8316	0.	0.	0.	0.	12.51	0.	47.26	62.77

1	2	3	4	5	6	7	8	9
8317	0.	0.	0.	0.	0.	0.	0.	0.
8318	829.44	89.16	137.55	75.27	70.82	0.	0.	1202.24
8319	802.88	15.25	0.	0.	14.44	0.	0.	832.57
8320	0.	0.	0.	0.	0.	0.	0.	0.
8321	1110.74	14.97	33.56	0.	45.69	0.	0.	1204.96
8322	763.04	44.60	109.59	14.93	62.69	0.	0.	995.65
8323	2691.61	498.02	437.61	329.72	424.72	792.97	804.62	6170.27
8324	3157.92	380.86	136.70	1065.65	246.56	104.41	276.95	5369.05
8325	470.00	16.50	16.06	0.	48.86	0.	50.26	607.68
8326	564.12	14.56	50.27	14.84	15.11	0.	28.20	695.10
8327	352.00	0.	14.70	0.	90.26	0.	0.	456.96
8328	883.30	380.67	61.23	2357.11	438.54	418.76	102.33	4641.99
9201	1425.04	126.75	14.97	211.15	134.27	0.	76.29	1988.47
9202	2292.20	376.72	237.09	353.03	567.43	14.51	902.21	4743.79
9203	1924.80	30.59	40.17	0.	75.11	0.	211.55	2288.22
9204	644.16	1412.07	121.35	76.30	196.72	0.	167.11	2617.71
9205	0.	196.05	0.	76.26	0.	0.	0.	272.31
9206	1163.30	352.84	334.28	212.59	196.51	148.70	590.65	2999.07
9207	1005.18	213.72	107.37	15.20	355.43	0.	409.52	2106.42
9208	2745.40	96.93	135.96	0.	182.73	0.	294.29	3454.31
9209	381.64	73.06	121.09	0.	91.94	492.73	389.84	1550.30
9210	2673.60	1536.10	717.93	15.05	1020.87	685.21	1243.69	7897.73
9211	2541.06	198.95	45.15	119.27	352.92	0.	410.36	3667.71
9212	0.	405.66	236.15	176.26	754.45	0.	429.27	2055.79
9213	0.	1046.48	225.47	2292.62	101.83	0.	464.12	7130.52
9214	0.	1750.25	134.76	78.16	60.14	0.	114.21	2137.52
9215	80.00	557.23	64.15	119.42	77.57	0.	172.93	1071.30
9216	2121.48	210.37	173.96	0.	254.63	148.84	260.46	3177.74
9217	0.	398.46	122.50	0.	30.94	0.	351.53	6903.43
9218	723.52	333.13	30.18	2033.95	291.98	44.82	417.52	3875.14

1	2	3	4	5	6	7	8	9
9317	2157.00	259.61	208.36	0.	470.22	876.59	612.60	4785.18
9318	2310.36	291.47	29.62	0.	74.43	304.10	398.74	3408.78
9319	2726.62	30.45	16.14	0.	264.23	15.16	307.62	3362.22
9320	85.00	34.59	0.	0.	14.38	0.	35.24	219.21
9321	898.62	450.25	282.18	457.34	287.16	0.	628.70	3004.25
9322	1687.09	174.59	516.24	178.29	160.22	0.	543.87	3260.60
9323	737.76	160.87	29.88	119.40	207.70	228.55	162.92	1647.08
9324	1087.41	74.77	59.50	0.	0.	0.	120.98	1342.66
9325	241.00	0.	0.	0.	0.	0.	0.	240.00
9326	3111.05	164.17	246.55	350.89	521.50	0.	602.81	4996.97
9327	1665.08	241.71	70.51	90.66	45.47	0.	120.61	2237.04
9328	735.04	355.11	135.72	30.20	130.55	45.33	269.25	1680.00
9329	145.00	76.21	262.55	0.	47.04	391.97	69.76	995.53
9330	869.68	30.01	61.44	15.80	93.12	381.91	229.76	1731.78
9331	1770.00	30.42	125.88	0.	76.50	0.	122.66	2128.86
9332	0.	16.10	0.	0.	0.	0.	0.	16.10
9333	901.60	62.12	26.76	31.08	113.22	0.	15.54	1152.32
9334	290.40	64.78	16.10	0.	61.14	0.	28.94	461.36
9335	323.00	28.94	0.	0.	14.64	0.	0.	366.58
9336	32.00	0.	0.	0.	14.51	0.	58.67	61.29

1	10	11	12	13	14	15	16	17
1	180.00	255.94	94.49	14.86	600.54	1092.80	207.74	2433.17
2	0.	292.97	14.06	0.	20.94	0.	116.64	452.61
3	0.	135.20	144.40	169.70	0.	0.	10.05	465.43
4	0.	722.04	29.87	0.	0.	0.	14.89	766.80
5	0.	4406.18	214.68	0.	29.73	0.	494.09	5224.68
6	0.	152.60	0.	0.	15.21	0.	5.	167.81
7	14.96	2160.44	134.96	0.	0.	0.	201.03	2512.19
8	0.	977.17	165.08	1793.53	31.05	15.65	226.94	3210.52
9	0.	106.04	125.56	44.92	337.15	14.94	229.03	857.64
10	0.	443.20	172.00	423.55	183.24	28.03	245.84	1496.16
11	0.	809.47	259.32	46.03	201.65	30.63	457.48	1964.58
12	85.02	212.09	74.52	29.72	30.39	0.	212.91	645.45
13	0.	153.16	245.07	0.	0.	15.19	391.43	804.85
14	0.	1129.12	231.22	28.86	105.12	15.65	322.15	1832.14
15	0.	753.83	200.35	9.	59.60	0.	153.20	1167.48
16	0.	916.67	320.09	0.	16.04	0.	355.38	1408.18

I	10	11	12	13	14	15	16	17
17	15.94	1223.02	231.30	106.86	75.59	0.	354.18	2086.89
18	0.	3007.90	004.01	8501.21	454.22	45.10	1580.99	13981.49
19	0.	806.35	392.16	655.78	181.28	15.37	614.96	2643.90
20	24.00	547.48	364.97	90.72	135.56	1388.54	245.51	2797.78
21	0.	104.78	74.40	157.81	15.06	00.02	29.92	422.49
22	0.	507.09	64.21	29.42	0.	0.	44.51	725.23
23	0.	108.30	14.45	15.06	0.	0.	28.00	246.31
24	0.	442.67	44.31	105.16	0.	0.	92.16	684.30
25	0.	507.76	130.34	34.41	14.78	399.21	228.53	1383.33
26	0.	120.50	29.74	90.17	62.87	0.	162.62	465.90
27	0.	252.07	514.15	15.35	181.91	15.17	154.22	1142.87
28	0.	777.56	70.05	30.23	30.12	30.45	332.90	1277.31
29	14.29	1726.26	917.26	229.71	47.14	31.43	650.33	3616.42
30	0.	1773.67	033.09	573.68	279.31	211.54	587.65	4058.94
31	91.50	1279.60	522.05	15.23	214.14	45.47	381.31	2549.90
32	0.	0.	0.	14.85	10.42	0.	0.	31.27
33	0.	1007.52	750.28	15.49	15.51	0.	198.23	2067.03
34	0.	138.52	0.	0.	13.91	0.	0.	152.43
35	0.	31.50	14.95	15.55	0.	0.	0.	62.00
36	0.	137.53	0.	0.	0.	0.	0.	137.53
37	0.	203.60	62.30	0.	14.78	0.	15.83	296.59
38	0.	1556.94	044.63	17.60	46.43	0.	199.41	2465.01
39	26.78	1269.06	454.59	1138.15	62.03	0.	578.25	3531.66
40	0.	1604.82	022.99	1420.90	62.05	14.72	679.37	4405.45
41	0.	605.42	242.00	106.19	16.09	151.92	97.90	1300.12
42	0.	75.77	107.08	30.15	15.00	0.	15.00	243.60
43	0.	197.21	145.09	106.98	77.56	15.50	87.86	631.00
44	0.	717.10	217.00	119.47	15.73	44.63	392.30	1506.73
45	15.16	558.02	262.86	137.93	48.09	17.69	213.90	1354.45
46	0.	134.63	29.20	29.62	16.14	0.	15.38	275.02

1	10	11	12	13	14	15	16	17
47	0.	14.44	0.	0.	0.	0.	20.08	43.32
48	0.	45.87	0.	39.50	0.	0.	0.	76.37
49	0.	105.92	0.	0.	0.	0.	34.00	219.95
50	0.	59.18	0.	0.	0.	0.	44.76	103.94
51	0.	497.64	46.35	63.70	48.78	0.	77.33	735.80
52	0.	577.59	326.34	154.28	15.00	15.59	1175.65	2264.45
53	0.	90.04	168.14	62.92	59.05	0.	103.39	488.54
54	0.	92.00	48.58	30.84	0.	0.	46.03	218.25
55	0.	150.73	14.06	31.76	35.18	0.	30.34	262.07
56	0.	163.08	0.	16.66	0.	0.	200.03	399.77
57	15.17	257.83	29.61	74.53	15.20	0.	0.	392.34
1101	207.40	820.75	38.08	14.95	0.	0.	252.48	1323.66
1102	424.50	408.60	100.65	80.41	104.42	0.	92.87	1217.45
1103	652.15	260.31	179.74	15.00	122.75	0.	101.30	1531.25
1104	484.20	240.71	135.43	0.	72.39	0.	15.67	948.40
1105	140.00	1175.84	62.52	15.65	0.	0.	100.81	1502.82
1106	555.00	534.18	50.79	0.	0.	44.69	61.62	1246.28
1107	732.00	2236.56	653.50	2266.64	649.64	30.10	1253.15	8074.53
1108	297.80	90.60	120.67	14.88	182.40	0.	61.56	768.11
1109	219.00	239.24	14.95	0.	0.	32.28	44.60	550.27
1110	346.26	3725.99	230.81	0.	53.59	153.16	310.65	4822.46
1111	274.50	150.13	89.63	29.46	83.81	0.	26.27	653.80
1112	62.68	1263.93	91.62	0.	14.95	0.	197.05	1650.23
1113	863.04	333.79	241.39	46.00	120.74	0.	203.60	1808.56
1114	1991.20	263.22	259.58	45.23	105.80	0.	304.65	2969.68
1115	1606.82	247.16	183.90	119.31	274.12	0.	338.15	2972.46
1116	240.40	398.42	184.76	46.32	195.99	1149.53	272.66	2494.08
1117	684.20	311.34	198.22	257.41	200.06	61.17	412.22	2124.62
1118	601.20	495.52	194.76	61.67	245.39	32.07	182.01	1816.62
1119	253.38	237.39	97.04	0.	45.70	0.	61.24	691.75
1120	229.39	340.81	117.17	132.13	61.74	94.50	228.64	1204.34

1	10	11	12	13	14	15	16	17
1121	577.06	404.50	764.00	516.38	29.96	0.	172.05	2335.43
1122	1113.00	346.13	515.56	151.37	285.91	74.69	458.06	2738.52
1123	477.00	251.31	214.15	45.44	166.86	0.	94.38	1229.74
1124	496.00	552.03	584.79	213.17	331.94	119.06	261.31	2358.30
1125	1110.17	406.55	105.28	0.	164.96	0.	239.76	2032.72
1126	422.53	75.39	93.95	0.	106.55	0.	46.62	745.04
1127	785.99	657.70	270.58	29.55	135.11	265.86	547.18	2521.77
1128	421.00	104.32	275.49	193.92	58.90	42.87	90.66	1271.65
1129	533.17	4133.60	149.17	58.47	15.28	0.	340.78	5930.47
1130	365.25	73.97	46.18	138.07	181.45	0.	185.70	993.62
1131	21.00	5952.99	61.27	0.	14.73	0.	331.42	4361.41
1132	1271.61	502.04	242.40	90.50	164.75	0.	320.84	2598.34
1133	1054.00	46.95	61.48	29.55	140.05	0.	181.54	1514.17
1134	1696.08	463.10	393.53	152.88	75.66	487.42	671.23	3959.84
1135	1105.92	77.02	90.52	44.84	291.02	0.	84.92	1699.04
1136	2045.78	124.60	184.97	59.76	136.21	0.	211.22	2765.62
1137	1323.00	77.99	74.88	288.11	153.49	0.	199.01	2113.39
1138	0.	391.26	0.	0.	0.	0.	0.	391.26
1201	1565.55	141.03	229.50	137.83	122.37	0.	347.09	2543.37
1202	114.00	50.67	31.37	0.	45.66	0.	61.54	283.24
1203	52.00	107.06	0.	0.	0.	0.	0.	219.06
1204	1907.02	102.39	68.46	74.70	149.44	235.93	600.24	3218.18
1205	220.60	14.62	45.32	0.	0.	0.	0.	286.54
1206	2309.55	158.26	242.30	78.46	46.95	246.82	284.04	3307.40
1207	453.94	46.20	110.44	0.	67.49	0.	0.	683.75
1208	323.57	77.15	29.03	122.86	52.74	0.	132.89	743.86
1209	1281.00	158.58	61.90	9.	136.96	243.71	225.12	2087.27
1210	211.77	846.40	504.62	929.38	171.97	0.	360.50	3024.72
1211	602.75	99.92	108.57	83.38	75.48	0.	30.79	1285.61
1212	983.40	121.25	105.47	509.65	118.23	0.	267.48	2103.46

1	10	11	12	13	14	15	16	17
1213	1255.20	154.95	114.04	157.82	157.27	265.50	292.43	2275.49
1214	440.91	158.04	14.95	0.	62.96	0.	37.66	694.52
1215	2734.52	321.14	144.35	32.60	145.75	70.41	74.26	3523.06
1301	1285.40	0.	30.99	0.	119.16	0.	30.42	1463.97
1302	504.31	46.76	0.	0.	0.	0.	30.96	582.03
1303	569.53	45.27	30.06	14.83	44.33	0.	0.	644.62
1304	752.00	15.04	26.46	16.80	25.00	0.	44.82	879.26
1305	942.50	0.	47.83	45.91	189.70	0.	0.	1145.94
1306	185.30	0.	0.	3.	0.	0.	0.	183.38
1307	480.75	0.	14.07	35.88	181.48	0.	67.37	705.35
1308	1435.58	158.39	60.87	03.24	280.97	197.81	156.99	2372.65
1309	542.10	260.45	107.96	14.67	0.	0.	95.12	1018.30
1310	545.61	14.95	86.07	0.	30.26	0.	90.49	567.36
1311	731.65	155.34	137.29	14.55	224.50	-1545.58	134.67	2926.58
1312	255.60	0.	0.	0.	16.00	0.	0.	271.60
1313	305.00	0.	30.38	33.66	0.	0.	29.20	396.24
1314	116.80	16.00	13.20	0.	29.44	62.33	57.39	297.16
1315	542.30	42.76	0.	0.	75.03	109.81	30.58	797.65
1316	1999.68	166.04	15.21	43.69	29.03	0.	76.97	2320.82
1401	567.34	157.13	163.89	71.44	87.06	228.57	137.12	1412.55
1402	149.00	14.00	15.06	0.	30.12	0.	11.33	259.51
1403	229.50	30.12	13.50	0.	16.86	0.	0.	289.98
1404	520.40	0.	31.08	0.	43.41	0.	0.	394.89
1405	330.06	0.	47.23	106.75	0.	0.	0.	490.04
1406	587.81	29.95	29.76	0.	0.	0.	15.10	662.60
1407	580.36	199.89	89.39	72.91	152.41	15.07	92.37	1210.40
1408	1097.42	554.04	545.33	322.85	251.75	1453.14	507.76	4562.29
1409	1290.02	127.35	177.33	13.58	121.86	0.	400.88	2136.94
1410	664.40	61.31	89.56	42.07	35.74	0.	104.32	995.40
1411	750.00	0.	30.00	0.	15.07	0.	64.32	859.39
1412	640.40	45.21	44.14	447.35	30.22	0.	112.05	1527.37

1	10	11	12	13	14	15	16	17
1413	250.00	0.	12.20	0.	12.50	0.	0.	274.76
1414	169.00	0.	0.	14.56	0.	0.	0.	174.56
1415	465.18	0.	12.20	0.	72.37	0.	129.68	699.43
1416	60.00	0.	0.	0.	0.	0.	0.	80.88
1417	303.00	0.	42.00	0.	14.00	0.	91.40	454.40
1418	260.61	0.	0.	0.	29.33	0.	45.99	335.93
1419	203.50	0.	0.	0.	30.66	0.	0.	234.16
1420	521.74	207.26	27.93	454.96	201.46	1816.78	290.50	3538.57
1421	1450.90	61.32	309.53	143.59	233.03	0.	535.31	2741.68
1422	2053.60	00.49	154.74	300.04	180.84	0.	408.20	3162.91
1423	207.40	0.	0.	14.38	0.	0.	15.33	237.03
1424	830.16	0.	0.	14.60	96.78	0.	28.00	977.54
2101	459.94	351.26	272.41	215.82	150.62	93.04	234.87	2084.24
2102	235.86	197.42	107.95	245.48	255.93	0.	44.82	1090.46
2103	550.70	232.16	158.17	30.10	241.15	202.27	104.34	1524.97
2104	1040.25	321.35	130.56	136.21	156.43	76.20	180.76	2047.56
2105	549.78	850.77	295.25	0.	265.55	0.	845.61	2007.16
2106	561.04	193.57	275.18	106.79	225.55	0.	104.16	1376.89
2107	258.90	232.73	119.49	136.83	105.09	0.	429.27	1282.31
2108	453.92	125.95	15.49	96.38	77.33	0.	265.81	1014.13
2109	611.08	257.85	167.51	107.36	230.47	14.62	211.87	1800.82
2110	985.80	262.21	460.53	14.81	201.45	0.	228.66	1939.26
2111	962.64	292.50	137.96	46.04	385.40	697.38	780.68	3212.40
2112	2650.68	251.69	281.09	44.42	188.69	14.85	862.80	4299.42
2113	687.00	436.43	318.67	921.25	215.33	38.92	646.95	3307.15
2114	724.04	294.57	193.11	150.24	184.96	0.	517.21	2064.13
2115	2280.08	819.26	564.70	548.98	383.92	0.	400.13	4925.07
2116	1001.65	121.25	50.20	90.81	44.72	15.81	107.00	1431.42
2117	473.55	216.56	90.45	459.60	105.47	0.	134.57	1480.02
2118	747.84	166.91	226.44	212.82	90.12	15.43	227.97	1688.03

I	10	11	12	13	14	15	16	17
2119	1500.54	307.39	250.19	137.04	91.12	704.88	255.61	5699.17
2120	2407.70	139.36	427.21	162.52	447.55	60.65	782.05	4477.42
2121	2242.50	370.87	345.00	133.66	313.38	0.	317.17	3792.56
2122	1422.22	536.51	320.57	119.27	274.59	0.	494.94	3160.10
2123	713.88	153.75	76.10	107.30	107.19	503.35	420.10	2108.47
2124	562.12	94.30	167.19	44.46	62.13	0.	63.58	1013.78
2125	920.59	125.44	77.22	0.	120.64	277.52	276.95	1822.76
2126	670.81	120.01	149.05	651.96	60.00	16.30	137.94	1837.29
2127	0.	0.	0.	0.	0.	0.	0.	0.
2128	0.	1409.27	125.05	0.	0.	0.	179.62	1713.94
2129	1304.00	29.62	147.14	0.	62.41	0.	46.06	1591.23
2130	461.76	141.46	166.07	94.19	63.28	0.	276.48	1205.84
2131	770.28	76.77	197.14	45.08	105.97	0.	121.90	1317.44
2132	1093.60	628.82	416.30	859.27	119.19	61.84	416.37	3900.89
2133	2523.24	76.30	106.09	0.	137.37	0.	367.06	3210.56
2134	1513.00	123.50	105.05	61.76	213.96	0.	290.25	2305.72
2135	1637.64	87.44	213.79	30.89	31.55	0.	180.60	2179.91
2136	1697.02	61.71	154.90	0.	164.02	62.41	334.66	2494.72
2137	983.00	63.46	156.70	33.89	93.05	0.	174.46	1506.58
2138	1291.08	197.72	106.99	0.	233.41	108.75	327.70	2345.65
2139	1434.44	92.74	175.30	14.43	190.54	14.85	104.72	2031.52
2140	560.28	105.23	167.62	15.06	191.03	124.23	217.48	1385.13
2141	863.68	90.86	60.55	0.	80.10	29.53	183.35	1314.47
2142	1827.50	228.40	197.95	0.	150.99	388.79	420.64	3220.33
2143	3411.08	335.54	213.56	2718.01	404.31	16.09	500.28	7903.87
2144	1330.44	257.29	351.13	573.55	180.69	393.09	353.07	3481.26
2145	1579.64	525.93	476.46	1563.03	216.84	0.	801.35	5103.25
2146	1017.96	137.32	189.41	115.79	249.38	0.	513.15	2215.01
2147	1043.64	314.79	251.46	201.53	62.01	15.83	681.50	2573.46
2148	160.93	339.16	600.08	137.34	152.99	0.	1644.67	3061.17

1	10	11	12	13	14	15	16	17
2149	1241.05	1427.25	659.38	53.69	451.08	1105.67	1280.49	6877.69
2150	1351.13	151.67	159.33	61.92	105.46	0.	197.26	1998.30
2151	1257.19	78.41	119.37	45.58	130.81	59.98	376.15	2058.59
2152	658.75	241.22	281.04	0.	232.76	936.02	619.53	3069.62
2153	1725.96	91.37	25.39	15.14	169.39	0.	424.77	2455.92
2154	1485.68	108.19	229.31	163.97	221.01	0.	350.86	2587.22
2155	1342.46	541.47	378.48	1175.99	309.21	30.56	292.00	4381.67
2156	2044.30	139.29	106.45	0.	54.33	159.01	512.52	3036.95
2157	1444.80	124.55	44.93	39.60	153.54	16.66	244.35	2059.41
2158	3047.85	855.67	687.37	633.63	458.85	0.	875.48	6563.85
2159	1248.00	152.61	545.70	337.33	471.66	185.64	623.99	3562.93
2160	114.95	466.21	0.	18.00	0.	62.44	23.58	680.18
2201	331.00	428.66	554.35	3946.57	166.86	0.	344.98	5773.82
2202	1697.07	317.93	554.45	245.84	581.38	350.17	400.89	3948.33
2203	1041.30	126.97	92.38	0.	119.20	0.	169.20	2181.75
2204	1126.55	137.15	122.48	14.78	79.12	15.13	125.07	1585.48
2205	1615.68	264.34	212.22	203.37	220.67	137.39	323.20	2976.87
2206	2303.01	174.52	195.08	548.25	392.10	0.	414.59	4032.55
2207	2979.80	276.50	391.39	463.00	498.24	332.52	674.59	5616.24
2208	3464.02	174.88	96.08	77.24	844.96	405.12	471.18	5534.98
2209	1307.30	295.60	155.41	440.89	273.92	935.03	494.24	3902.39
2210	150.03	30.14	31.27	0.	0.	0.	0.	211.44
2211	511.20	59.32	95.09	0.	45.17	0.	0.	710.78
2212	1477.08	262.80	92.15	0.	120.07	166.36	351.94	2471.00
2213	1486.00	60.32	280.14	201.51	240.52	16.09	493.28	2777.86
2214	1404.18	76.88	76.12	15.46	48.08	128.70	300.78	2052.22
2215	885.78	15.20	90.49	0.	130.65	148.99	34.34	1305.45
2216	841.72	110.43	17.36	90.69	14.24	0.	31.09	1106.33
2217	0.	0.	32.38	49.59	15.25	0.	0.	97.42
2218	1556.20	675.54	664.11	3017.97	169.63	445.37	931.09	7481.93

1	10	11	12	13	14	15	16	17
2219	1934.40	327.77	139.74	495.10	139.02	15.11	400.07	3451.29
2220	3544.92	359.74	223.03	1143.89	473.71	0.	650.83	6349.12
2221	2226.25	159.29	482.37	125.86	79.05	402.69	824.76	4300.27
2222	1547.34	358.33	632.09	1347.17	47.54	0.	1124.61	5059.68
2223	0.	153.64	555.05	199.00	225.94	30.94	212.78	1176.95
2224	2015.94	406.81	418.94	866.59	335.40	169.56	257.05	4770.29
2225	2546.99	396.16	469.08	385.12	243.05	1237.53	567.93	5648.46
2226	785.84	156.66	136.26	176.48	214.27	0.	110.26	1587.77
2227	1591.42	137.79	192.51	109.93	306.99	0.	198.07	2536.71
2228	1640.16	50.85	89.37	45.96	94.22	0.	256.22	2192.85
2229	760.00	187.94	120.77	51.26	169.74	277.99	256.63	1804.33
2230	84.00	90.92	265.07	44.93	124.52	504.54	271.41	1385.39
2231	1014.63	219.72	526.67	399.53	167.64	0.	309.85	3038.04
2232	235.00	670.37	683.62	4123.68	233.66	92.76	760.46	7039.75
2233	1812.40	63.09	0.	0.	45.37	0.	-64.02	1984.88
2234	573.50	175.15	92.20	15.63	45.27	0.	70.02	981.47
2235	1595.25	202.20	537.53	247.96	281.69	371.45	672.62	3711.76
2236	1011.12	465.57	470.05	1785.70	659.10	0.	765.69	5183.23
2237	589.74	0.	45.85	15.54	76.54	66.00	16.50	809.17
2238	480.64	0.	60.26	0.	30.64	0.	135.22	684.76
2239	0.	61.56	0.	0.	0.	0.	16.25	77.81
2240	525.50	427.01	536.59	2445.38	420.28	14.92	696.94	4666.62
2241	1460.50	140.29	91.29	135.73	142.21	0.	213.05	2191.07
2242	655.00	78.25	58.66	0.	45.31	187.33	236.02	1490.77
2301	21.32	29.68	0.	0.	0.	15.85	14.84	81.69
2302	804.10	30.59	30.83	0.	90.64	0.	61.96	1018.12
2303	2337.73	539.04	521.18	216.73	351.90	2394.24	526.47	6687.29
2304	0.	403.05	567.66	2668.91	46.55	0.	434.60	5920.17
2305	290.25	353.15	709.45	457.29	51.66	15.00	202.73	2059.53
2306	3571.79	468.17	419.75	62.69	873.71	588.96	1040.09	6825.16
2307	730.59	0.	19.35	0.	89.66	72.68	0.	912.28

I	10	11	12	13	14	15	16	17
2308	1131.00	45.33	15.02	111.53	14.69	0.	15.33	1333.10
2309	0.	1314.77	768.93	9749.25	448.67	15.47	659.35	12956.64
2310	1467.84	77.73	201.16	0.	1217.99	87.75	197.13	3249.65
2311	2443.83	74.89	92.09	47.00	183.40	0.	517.17	3358.98
2312	1068.60	90.49	202.11	202.53	100.34	0.	159.53	1831.60
2313	1760.01	16.42	63.06	0.	93.32	0.	224.73	2157.54
2314	687.50	154.04	15.16	0.	40.91	155.75	13.75	1873.21
2315	3136.12	62.80	235.19	0.	243.40	0.	499.28	4178.79
2316	434.07	57.39	33.32	0.	14.78	0.	0.	540.06
2317	537.42	28.90	0.	29.86	10.33	0.	41.34	647.85
2318	1334.76	61.15	157.46	0.	130.70	263.34	328.85	2282.26
2319	491.40	165.80	32.33	63.84	174.42	60.11	382.37	1390.27
2320	3109.47	507.52	725.27	1060.95	656.63	108.29	889.20	7057.33
2321	1857.32	525.67	1117.56	1150.23	136.20	15.39	750.61	5552.98
2322	185.94	61.55	46.41	0.	0.	0.	101.21	395.11
2323	3462.75	126.37	185.63	263.18	296.25	76.95	666.84	5137.97
2324	22.00	0.	0.	0.	0.	0.	0.	22.00
2325	195.00	0.	0.	0.	0.	0.	0.	195.00
2326	204.75	0.	0.	0.	70.40	0.	17.60	292.75
2327	123.20	63.90	194.08	0.	122.10	809.01	261.15	1573.44
2328	1241.52	227.00	310.02	33.96	464.52	2170.55	496.10	4941.47
2329	327.60	25.58	0.	33.32	63.04	0.	15.45	465.99
2330	286.75	30.81	0.	0.	32.67	15.75	38.50	406.48
2331	500.34	0.	94.24	0.	30.34	0.	51.52	676.44
2332	510.00	77.39	66.05	0.	59.78	0.	152.00	859.22
2333	873.01	250.85	292.07	130.36	61.45	164.30	217.99	1990.85
2334	203.60	46.09	84.38	29.20	15.29	0.	29.78	407.74
2335	684.00	108.06	76.18	0.	49.50	0.	15.85	933.59
2336	729.12	0.	0.	0.	29.12	0.	0.	758.24
2401	1103.87	78.75	15.19	63.05	46.37	0.	121.80	1436.03

1	10	11	12	13	14	15	16	17
2402	100.00	15.83	0.	0.	0.	0.	0.	183.83
2403	157.50	0.	31.18	0.	65.66	0.	45.54	300.08
2404	220.20	30.78	0.	14.45	45.69	0.	115.68	726.80
2405	707.58	29.91	76.70	0.	105.26	0.	91.06	1100.51
2406	640.42	47.37	31.24	16.10	31.51	0.	40.80	813.44
2407	565.50	31.00	45.47	0.	15.62	0.	59.28	714.67
2408	172.81	0.	15.40	0.	45.69	0.	88.22	322.32
2409	300.00	30.80	0.	0.	46.20	0.	0.	305.00
2410	203.00	15.11	0.	0.	33.34	0.	45.67	297.12
2411	653.47	118.33	130.91	99.20	51.84	234.26	148.95	1457.96
2412	364.00	0.	64.56	0.	15.74	0.	0.	444.30
2413	625.68	60.57	14.45	14.06	30.04	0.	75.04	819.84
2414	224.37	30.73	15.11	0.	272.27	0.	0.	842.48
2415	526.65	122.08	90.06	0.	0.	0.	231.54	973.33
2416	1258.28	641.19	559.79	573.09	451.55	0.	660.97	4084.87
2417	1630.95	135.52	298.17	573.03	215.81	676.95	623.98	4210.41
2418	809.60	0.	59.13	16.80	45.51	0.	168.68	1099.72
2419	606.53	61.59	63.96	33.01	47.34	583.88	322.55	1917.96
3101	0.	1535.05	30.80	0.	0.	0.	139.69	1205.54
3102	295.00	548.03	65.75	73.58	30.86	0.	106.22	1109.44
3103	113.55	132.43	62.56	0.	94.72	0.	65.46	518.72
3104	530.25	957.07	60.47	141.67	47.00	106.45	341.42	2190.41
3105	60.00	212.15	14.81	0.	0.	0.	0.	286.97
3106	997.75	47.83	144.98	98.32	284.71	0.	226.56	1800.15
3107	0.	0.	15.30	0.	76.11	0.	0.	93.41
3108	0.	4170.62	530.22	895.27	441.57	0.	900.16	6937.84
3109	1137.38	62.77	89.37	15.77	489.85	15.23	182.15	1992.52
3110	1310.22	0.	75.54	0.	217.32	14.92	167.52	1785.62
3111	110.41	1110.20	182.72	192.09	255.92	0.	396.65	2754.19
3112	56.65	4619.82	290.11	18.25	15.28	0.	488.75	5496.86

1	10	11	12	13	14	15	16	17
3113	68.00	396.77	0.	0.	0.	0.	114.83	579.60
3201	1045.50	541.94	227.56	215.36	76.84	0.	302.98	2410.18
3202	784.40	356.37	125.23	75.89	228.93	30.13	465.93	2067.88
3203	1200.04	355.56	150.56	58.87	108.87	0.	91.70	1965.40
3204	394.42	124.92	59.60	14.14	122.12	443.91	199.40	1358.51
3205	211.20	347.22	140.17	1794.06	76.58	30.16	370.00	2969.39
3206	1553.48	313.34	745.50	925.10	335.56	0.	435.57	4316.85
3207	2839.41	224.27	233.26	61.40	247.41	0.	349.33	4001.14
3208	165.20	1151.29	165.05	118.99	45.59	0.	103.98	1950.10
3209	J.	856.02	0.	0.	0.	0.	88.16	944.18
3210	0.	30.67	15.28	0.	94.19	0.	0.	140.14
3211	1062.36	37.71	15.42	15.44	76.67	0.	91.68	1352.26
3212	810.15	354.42	207.82	77.16	216.05	0.	354.02	2020.42
3213	1930.44	34.56	212.59	226.11	123.61	494.21	230.61	3308.13
3214	1264.41	30.17	124.83	215.14	93.04	0.	103.63	1833.22
3215	1863.61	398.00	187.42	3087.28	216.57	0.	316.06	6069.02
3216	982.21	59.74	94.44	167.24	170.96	0.	59.09	1536.68
3217	403.12	532.10	359.74	213.04	539.94	2001.17	769.34	4623.51
3218	105.00	211.31	328.87	183.65	304.91	222.56	355.69	1711.99
3219	193.00	238.31	60.02	192.74	30.17	182.05	31.06	933.75
3220	0.	15.76	0.	0.	0.	0.	15.45	31.21
3301	299.00	134.32	0.	0.	16.50	0.	27.09	447.71
3302	34.00	29.31	0.	0.	46.44	0.	29.94	139.59
3303	934.96	137.04	272.95	292.57	168.06	16.12	240.57	2061.87
3304	4669.96	306.30	395.23	198.77	442.62	745.28	798.70	7636.86
3305	1130.28	15.37	48.53	48.34	124.03	0.	286.18	1658.73
3306	826.20	30.82	50.55	43.60	51.61	0.	66.84	1074.42
3307	329.59	15.00	0.	32.83	137.66	0.	30.78	545.86
3308	992.25	0.	0.	0.	0.	0.	15.75	1008.00
3309	290.07	811.40	851.34	15.30	250.52	0.	1062.96	3288.15

I	10	11	12	13	14	15	16	17
3310	177.71	0.	0.	0.	0.	0.	0.	177.71
3311	2275.17	121.97	280.39	405.35	401.94	14.89	465.55	3974.26
3312	117.36	27.00	0.	0.	15.48	0.	29.78	189.62
3313	1745.70	2413.56	600.44	463.83	502.28	811.31	1195.73	7932.85
3314	1039.13	1070.39	217.32	110.56	257.56	510.71	227.43	3453.10
3315	1575.70	419.20	460.95	910.85	522.87	1401.93	1272.12	6961.62
3316	1346.10	242.24	220.00	445.84	213.53	0.	452.55	2915.31
3317	2359.26	212.64	559.16	702.15	304.61	14.92	494.41	4647.35
3318	260.72	75.80	80.14	15.75	44.69	373.92	218.66	1075.68
3319	652.46	15.45	110.08	15.75	113.03	16.33	61.27	989.97
3320	270.00	31.09	0.	0.	3.	0.	0.	301.09
3321	257.94	13.50	44.47	0.	60.42	0.	29.43	405.76
4101	166.37	644.12	169.12	64.68	73.82	29.98	652.69	1800.78
4102	3209.09	749.46	555.28	135.20	576.09	273.99	733.06	6229.97
4103	1234.31	551.35	273.46	414.31	213.91	76.95	297.31	3061.60
4104	225.00	630.90	30.33	16.03	76.45	266.78	339.02	1584.51
4105	366.16	348.72	167.19	15.19	62.71	0.	93.64	1053.61
4106	899.00	122.22	106.15	0.	14.20	0.	150.04	1345.61
4107	897.02	59.95	30.52	45.29	108.52	138.53	203.55	1484.18
4108	130.50	165.85	200.13	430.63	96.64	0.	75.37	1099.18
4109	275.38	139.70	31.28	75.86	29.98	0.	77.75	629.95
4110	30.00	90.96	40.52	0.	27.50	0.	0.	197.00
4111	16.00	1257.15	211.97	263.94	0.	0.	121.57	1872.63
4112	0.	644.61	179.67	505.09	0.	0.	74.69	1404.06
4201	893.20	154.27	75.63	76.84	61.56	1337.62	203.03	2852.15
4202	1541.28	154.81	76.57	161.83	230.92	0.	122.20	2317.61
4203	1110.24	374.93	110.13	125.46	192.64	139.44	153.69	2206.53
4204	1030.16	266.70	105.02	15.55	270.67	785.07	249.35	2728.52
4205	660.21	77.33	30.84	0.	93.82	0.	155.14	1217.34
4206	1421.33	403.30	184.42	29.49	497.32	1079.59	219.47	3835.00
4207	797.00	104.50	29.64	0.	125.33	0.	15.00	1071.47

1	10	11	12	13	14	15	16	17
4208	291.00	110.47	28.94	30.32	123.64	0.	30.08	615.05
4209	183.00	41.50	46.50	15.49	61.38	0.	10.80	358.67
4210	0.	0.	0.	0.	0.	0.	0.	0.
4301	2762.40	368.09	761.65	892.72	715.06	0.	1068.44	6588.36
4302	6612.44	225.50	1061.60	349.74	896.63	1051.86	2280.36	14478.18
4303	919.30	75.96	183.06	161.66	91.58	0.	49.28	1601.24
4304	3040.54	492.00	887.43	3510.09	956.49	1147.08	158.10	12200.53
4305	1229.20	45.19	92.67	0.	60.77	15.49	5.11	1534.43
4306	141.03	14.82	15.10	0.	45.69	0.	70.00	287.34
4307	14.00	0.	15.74	0.	15.74	0.	31.53	76.82
4308	2724.36	138.71	213.08	23.28	181.16	417.21	130.06	3838.88
4309	5628.60	273.25	699.62	121.36	493.91	815.06	1257.66	7489.45
4310	1422.72	350.05	603.44	1693.77	380.12	819.26	876.50	6315.86
4311	386.79	119.40	16.25	0.	0.	15.49	89.98	629.91
4312	80.00	0.	30.50	0.	0.	0.	0.	113.50
4313	171.60	0.	30.32	0.	14.14	0.	0.	215.36
4314	0.	15.46	15.10	0.	15.22	0.	0.	45.84
5101	13.86	1379.55	146.31	14.44	0.	14.56	118.75	1687.47
5102	333.50	737.45	169.54	15.44	76.55	0.	152.73	1485.21
5103	1140.75	789.07	287.39	31.21	124.92	16.03	183.13	2572.50
5104	0.	1391.95	46.25	0.	75.27	0.	217.24	1730.71
5105	189.96	1110.41	63.31	0.	13.86	0.	140.30	1517.84
5106	0.	151.80	0.	0.	0.	0.	0.	151.86
5107	166.43	705.12	94.59	139.07	14.79	0.	240.61	1440.61
5108	2631.20	1120.49	278.20	168.85	289.73	15.18	418.85	4922.50
5201	2996.60	1098.27	204.21	83.43	121.02	10.80	410.90	4927.43
5202	0.	0.	0.	29.44	0.	0.	0.	29.44
5203	2501.66	78.50	115.44	0.	134.36	0.	405.01	3234.97
5204	2914.30	156.74	435.51	876.74	139.79	29.72	322.24	4915.04
5301	0.	10698.35	187.81	91.14	279.53	171.30	1005.62	12433.15

1	10	11	12	13	14	15	16	17
5302	603.00	615.56	570.91	1713.54	382.17	140.10	904.35	10515.63
5303	517.68	61.90	58.63	0.	63.27	0.	13.25	714.79
5304	133.30	0.	0.	0.	0.	0.	0.	133.30
5305	249.39	517.52	298.41	15.55	31.56	3667.93	322.08	5102.44
5306	632.00	0.	156.36	0.	176.90	0.	61.86	1029.12
5307	2322.00	30.76	174.63	32.22	188.13	312.06	207.15	3266.95
5308	900.40	96.09	63.30	46.85	29.60	221.56	143.92	1581.72
5309	1605.15	221.75	210.38	266.52	131.05	0.	219.86	2940.71
5310	1302.64	695.60	735.77	273.45	449.02	65.81	1661.00	11383.49
5311	2325.40	92.55	173.31	218.36	363.12	31.35	220.97	3425.06
5312	1547.34	0.	126.39	0.	110.18	0.	30.20	1814.61
5313	1652.50	317.87	156.39	426.86	210.82	1367.90	380.58	4718.94
5314	1190.60	0.	146.19	14.38	32.68	0.	77.61	1467.06
5315	255.00	79.23	127.86	1555.34	32.60	0.	62.89	2112.92
5316	582.80	60.15	16.16	38.16	157.69	33.32	15.90	1299.20
5317	1977.80	366.03	203.24	61.83	356.07	0.	222.07	3187.84
5318	0.	14.95	0.	0.	195.77	0.	58.98	269.70
5319	646.40	0.	47.57	0.	136.98	15.13	15.43	861.51
5320	1352.07	824.44	1341.16	1303.19	552.36	29.51	818.63	6221.36
5321	1150.10	313.50	230.74	14.98	94.97	1136.52	230.36	3187.25
5322	39.12	154.32	250.61	17.05	15.13	0.	195.67	671.90
5323	0.	46.04	95.36	0.	169.90	15.58	15.51	342.39
5324	0.	0.	0.	0.	0.	0.	0.	0.
5325	1187.94	168.36	297.15	0.	564.30	15.13	573.73	2826.61
5326	17.00	156.32	157.91	1114.45	137.56	0.	62.37	1645.61
5327	2800.34	93.95	143.76	97.14	170.58	265.52	211.20	3787.49
5328	2193.40	200.83	330.74	79.75	560.75	2144.17	778.32	6473.96
5329	204.93	372.09	801.55	596.73	172.12	15.23	168.16	2330.81
5330	0.	206.79	141.33	31.02	16.42	0.	84.69	540.25
5331	1553.25	0.	62.26	15.11	129.41	0.	32.70	1792.73
5332	2692.88	62.31	174.13	0.	265.16	510.79	528.62	4253.89

1	10	11	12	13	14	15	16	17
5333	2719.32	80.56	110.77	0.	124.45	0.	64.34	3099.44
5334	149.40	16.16	10.18	0.	0.	0.	16.18	197.94
5335	10.00	0.	0.	0.	0.	0.	0.	10.00
5401	40.00	20.00	0.	0.	0.	0.	0.	60.00
5402	135.30	15.58	36.00	0.	52.84	0.	0.	217.72
5403	993.64	0.	50.50	0.	14.66	0.	60.86	519.66
5404	2667.72	92.44	225.24	0.	295.89	110.12	225.75	3615.16
5405	0.	143.25	31.57	0.	161.93	0.	16.29	353.04
5406	363.40	0.	0.	0.	18.17	14.42	14.44	410.43
5501	43.00	0.	0.	0.	0.	0.	23.34	71.34
5502	150.00	77.36	47.36	0.	29.92	312.28	83.21	700.13
5503	126.00	0.	0.	0.	16.68	0.	36.34	179.02
5504	0.	0.	0.	21.50	0.	0.	0.	21.50
5505	118.25	0.	10.75	21.50	0.	0.	0.	150.50
5506	260.00	0.	51.00	0.	14.85	16.61	0.	348.46
5507	20.00	0.	0.	44.01	0.	0.	0.	70.01
5508	243.75	0.	0.	0.	0.	0.	0.	243.75
5509	10.50	0.	15.46	0.	0.	0.	15.46	47.42
5510	52.00	465.59	0.	0.	0.	0.	16.42	534.01
5511	1631.40	252.50	126.69	277.95	272.90	0.	212.46	2776.00
5512	1503.32	500.56	432.84	472.21	299.52	397.70	370.01	4035.96
5513	1734.72	111.27	175.86	0.	92.57	180.29	158.83	2453.54
5514	600.80	505.29	410.51	165.82	319.62	76.70	416.07	2703.81
5101	560.71	792.93	120.52	193.10	123.17	518.75	303.14	2637.12
5102	784.00	440.43	458.76	225.94	227.19	152.63	400.42	2689.37
5103	341.25	267.43	93.52	16.14	59.94	15.13	46.84	840.25
5104	1024.10	402.07	151.26	1194.26	335.27	50.04	634.42	3851.42
5105	2072.76	479.35	197.60	245.15	348.99	104.90	364.04	3613.29
5106	1682.10	453.54	393.19	197.72	326.99	45.43	457.50	3568.57
5107	334.80	671.10	90.35	15.94	15.31	0.	106.64	1204.14

I	10	11	12	13	14	15	16	17
6108	437.03	162.11	91.22	69.25	15.50	0.	92.29	856.40
6109	658.14	402.37	196.46	3.	273.51	0.	150.92	1740.10
6110	1247.40	121.92	66.08	163.98	170.09	0.	199.28	1987.85
6111	1959.00	140.56	197.29	61.61	412.22	702.51	536.04	4000.23
6112	1743.12	307.13	152.01	455.33	46.22	121.28	776.53	3602.42
6113	2167.92	151.34	135.79	197.37	325.34	0.	153.01	3179.27
6114	1837.32	46.63	135.66	65.47	136.49	0.	293.25	2516.82
6115	1572.48	93.70	31.06	0.	135.67	30.64	0.	1863.73
6116	3269.67	306.98	447.39	74.97	291.80	149.68	514.46	5135.35
6201	1445.50	234.95	127.91	75.30	120.46	297.30	246.04	2550.26
6202	0.	792.94	344.36	4140.93	59.63	0.	210.40	5458.46
6203	684.95	151.57	231.90	4146.29	77.02	0.	147.38	5639.11
6204	2844.64	123.61	121.54	543.93	277.20	924.69	354.48	5190.29
6205	2176.00	45.97	198.87	126.69	121.46	15.58	350.63	3035.20
6206	2346.42	153.45	244.01	333.36	289.96	353.95	640.70	4362.45
6207	2321.01	137.27	31.16	643.41	45.12	763.58	109.99	4051.54
6208	1690.50	105.55	31.46	0.	685.06	0.	136.08	2648.65
6209	1137.38	15.00	51.39	0.	93.49	0.	75.54	1372.80
6210	1096.26	217.61	153.77	885.76	303.62	1127.01	594.64	4378.87
6211	0.	427.13	805.93	5095.40	216.78	14.86	1611.00	7573.10
6301	210.00	60.61	0.	0.	61.22	503.23	60.93	895.99
6302	160.00	103.94	89.06	218.28	0.	0.	30.09	601.37
6303	1072.81	14.93	61.85	61.30	207.69	0.	0.	1418.78
6304	1056.85	134.81	109.77	16.29	139.34	75.08	92.53	1626.67
6305	564.63	468.78	186.08	183.75	210.67	0.	229.34	1864.25
6306	3555.99	338.85	743.28	1510.54	291.12	109.15	444.34	6985.27
6307	2272.92	155.68	60.37	61.09	140.11	0.	80.03	2740.20
6308	414.00	123.79	29.49	30.84	0.	599.13	76.88	1274.13
6309	192.61	216.30	31.87	16.29	86.96	0.	29.20	573.23
6310	321.75	0.	0.	0.	30.26	0.	0.	352.01
6311	1547.52	51.84	32.08	14.44	164.57	0.	46.22	1836.67

1	10	11	12	13	14	15	16	17
6312	654.42	0.	94.94	0.	14.67	0.	0.	764.03
6313	105.00	0.	15.39	0.	0.	14.70	0.	135.09
6314	1345.50	187.09	92.82	61.18	732.15	14.95	179.59	2613.08
6315	909.54	288.72	175.14	13.89	165.89	2244.91	261.36	4057.45
6316	1774.45	425.98	240.45	774.68	501.19	2321.57	744.77	6791.09
6317	777.24	0.	60.81	0.	52.89	0.	34.22	925.76
6318	175.50	0.	0.	0.	0.	0.	0.	175.50
6319	54.68	16.12	0.	0.	0.	0.	0.	70.80
6320	0.	0.	0.	0.	0.	0.	0.	0.
6321	521.85	203.60	112.20	0.	62.45	0.	139.68	1039.78
6401	8.50	0.	51.84	0.	0.	0.	31.06	91.40
6402	315.00	11.50	0.	0.	0.	0.	0.	326.50
6403	161.00	15.50	0.	54.17	32.69	0.	15.00	278.36
6404	920.70	354.49	188.20	0.	123.68	0.	82.50	1669.57
6405	136.70	0.	40.86	0.	31.86	0.	0.	209.42
6406	60.00	0.	0.	0.	14.85	0.	0.	80.85
6407	133.50	30.07	93.26	0.	15.57	0.	15.53	284.93
6408	192.00	14.27	0.	0.	0.	0.	0.	206.27
6409	170.50	17.06	0.	0.	15.00	0.	17.06	219.62
6410	620.53	627.41	62.55	0.	211.42	559.54	73.52	2155.07
6411	221.78	31.06	31.06	0.	30.35	0.	0.	314.25
6412	289.00	29.13	31.17	21.50	0.	0.	0.	370.80
6413	173.30	23.00	0.	0.	0.	0.	0.	196.30
6414	339.12	71.73	46.39	16.17	15.57	261.72	15.53	766.73
6415	229.50	47.35	0.	14.42	16.60	124.35	52.00	486.22
6416	56.00	109.60	0.	0.	15.00	0.	0.	182.60
6417	410.75	30.22	16.17	0.	77.65	45.60	16.62	597.01
6418	259.00	0.	64.80	0.	0.	0.	13.89	337.69
6419	1316.25	119.90	89.03	0.	192.35	1004.34	245.07	2967.00
6420	0.	0.	0.	0.	0.	0.	0.	0.

I	10	11	12	13	14	15	16	17
0421	0.	0.	62.12	0.	0.	0.	0.	62.12
0422	96.00	241.59	10.31	0.	80.85	0.	78.02	474.77
0423	1277.43	76.99	187.05	0.	92.16	45.52	33.13	1712.33
0424	148.50	498.12	48.51	56.43	0.	0.	53.80	805.66
0425	674.52	138.71	229.99	308.95	94.39	571.02	343.54	2330.92
0426	3463.19	15.33	284.20	0.	193.56	0.	497.75	4454.03
0427	93.56	524.09	144.44	46.59	236.42	0.	189.76	1084.66
0428	84.00	123.93	113.25	1046.24	142.03	71.46	105.40	1686.91
0429	509.70	39.11	371.63	953.45	16.59	16.59	290.95	2248.02
0430	263.00	61.32	64.49	112.95	31.59	0.	50.97	630.03
0431	85.00	213.07	15.20	0.	63.30	0.	0.	376.57
0432	570.95	15.46	82.15	31.42	95.30	0.	63.12	859.30
0433	865.20	192.94	105.11	108.30	109.39	360.57	292.08	2033.50
0434	809.76	95.49	91.26	76.90	68.27	16.99	62.41	1221.08
0435	42.51	0.	93.26	14.42	0.	0.	77.63	227.82
0436	983.40	16.50	149.00	0.	63.51	16.30	107.00	1335.79
0437	1468.68	93.37	150.31	16.38	38.63	201.64	321.39	2235.40
0438	229.60	94.64	33.00	16.32	55.64	0.	85.63	515.69
0439	115.50	32.30	261.60	0.	0.	0.	0.	459.40
0440	44.25	509.80	694.21	788.68	47.52	0.	491.41	2635.91
0441	241.06	313.91	223.03	560.04	100.61	0.	414.22	1859.67
0442	252.21	192.43	326.99	236.42	89.47	0.	245.77	1343.29
0443	97.50	637.33	033.92	632.16	343.18	0.	238.29	2781.98
0444	945.42	201.01	353.90	61.58	295.45	1892.39	744.61	4553.96
0445	1202.38	28.92	149.09	48.30	138.00	0.	129.52	1696.81
0446	207.96	95.28	44.20	44.67	23.50	94.40	109.79	619.80
0447	0.	47.25	229.42	16.32	15.17	0.	94.81	402.97
0448	172.25	217.06	226.54	950.30	103.20	0.	158.22	1832.57
0449	2433.40	301.53	254.19	2068.74	173.95	0.	357.93	5594.54
0450	156.00	0.	26.00	0.	0.00	0.	0.	190.00

1	10	11	12	13	14	15	16	17
0401	1220.92	56.59	92.30	314.69	30.15	0.	49.55	1772.20
0402	1360.50	105.23	100.39	0.	133.03	617.37	167.77	2501.09
0403	042.15	493.02	487.21	31.20	277.58	0.	931.05	2862.21
0404	1321.92	16.10	32.48	0.	70.12	0.	140.12	1594.74
0405	289.80	0.	07.01	15.53	89.52	0.	0.	402.66
0406	1619.28	114.07	567.27	15.24	287.51	250.78	230.57	2884.72
0501	116.00	0.	43.04	0.	16.17	159.29	90.00	425.30
0502	300.00	0.	0.	0.	0.	0.	0.	300.00
0503	115.20	0.	0.	0.	0.	0.	0.	115.20
0504	135.31	0.	0.	0.	19.33	0.	0.	154.64
0505	57.99	0.	0.	0.	0.	0.	0.	57.99
0506	93.75	0.	0.	0.	42.32	0.	0.	136.07
0507	54.00	0.	0.	0.	0.	0.	0.	54.00
0508	20.00	0.	0.	0.	0.	0.	0.	28.00
0509	80.00	0.	11.00	0.	0.	0.	21.50	120.50
0510	199.29	30.88	0.	0.	0.	0.	0.	230.17
0511	325.91	15.50	30.48	34.66	57.04	0.	0.	464.19
0512	1129.43	470.00	240.08	119.36	259.73	266.13	44.72	2529.50
0513	354.48	109.10	238.01	97.39	92.17	0.	93.42	1065.37
0514	184.00	11.50	0.	153.80	0.	0.	0.	349.30
0515	150.00	0.	19.75	0.	0.	0.	0.	177.75
0516	0.	0.	0.	0.	0.	0.	0.	0.
0517	180.00	0.	0.	0.	25.75	143.25	0.	349.00
0518	27.00	0.	9.00	0.	0.	0.	0.	36.00
0519	234.72	0.	14.17	0.	0.	0.	0.	248.89
0520	294.71	15.93	42.37	0.	16.37	0.	0.	369.88
0521	379.95	0.	0.	0.	75.99	0.	0.	455.94
0522	489.00	0.	27.20	0.	0.	0.	13.60	533.40
0523	227.20	0.	0.	0.	0.	0.	0.	227.20
0524	61.00	50.00	77.17	0.	14.70	260.81	0.	463.96

I	10	11	12	13	14	15	16	17
6525	270.64	14.20	29.20	0.	0.	0.	0.	320.24
6526	91.25	0.	0.	0.	0.	0.	0.	91.25
6527	253.50	0.	0.	0.	0.	0.	0.	253.50
6528	81.00	0.	0.	0.	0.	0.	0.	112.86
6529	795.00	140.40	154.67	0.	31.86	0.	193.60	1393.69
6530	525.69	39.82	204.26	333.30	109.95	0.	62.43	1318.98
6531	260.75	13.60	15.93	0.	103.46	0.	192.32	1680.59
6532	289.00	0.	87.00	15.93	89.00	1101.09	0.	389.93
6533	99.75	0.	0.	0.	0.	0.	0.	99.75
6534	351.00	0.	0.	0.	0.	0.	0.	351.00
6535	226.75	15.00	110.25	10.75	0.	0.	0.	364.75
7101	77.50	1518.95	197.34	246.94	155.43	29.28	90.33	2313.77
7102	940.11	448.11	340.86	763.10	167.39	44.22	338.41	3054.20
7103	809.29	46.55	107.35	30.05	87.39	14.94	203.36	1294.93
7104	029.52	123.93	0.	163.94	150.00	0.	51.00	1123.44
7105	705.20	15.88	0.	23.34	15.43	0.	0.	759.90
7106	1087.06	300.48	122.18	223.29	107.14	174.03	167.37	2261.55
7107	725.20	154.21	0.	99.92	121.18	14.69	228.52	1304.02
7108	080.30	200.84	181.63	121.39	45.64	0.	179.56	1415.36
7109	703.80	91.70	60.24	14.78	137.83	89.08	181.78	1279.27
7110	196.39	29.76	30.90	0.	80.95	0.	0.	340.00
7111	954.65	76.70	90.70	14.44	261.18	29.65	186.58	1611.90
7112	2054.55	76.72	229.52	226.64	453.65	0.	378.30	3419.68
7113	1492.20	230.67	45.56	46.35	153.73	0.	257.00	2228.51
7114	647.24	171.09	61.08	15.51	75.49	0.	146.83	1117.24
7115	2550.94	212.38	169.02	163.15	366.18	281.14	380.38	4149.99
7116	1114.07	425.27	178.97	1433.10	678.71	106.38	630.15	4580.33
7117	3522.75	221.05	105.15	82.23	331.30	384.87	988.15	5615.50
7118	3062.25	453.95	289.24	423.87	427.46	243.53	1371.67	6279.97
7119	3900.85	106.29	47.29	119.41	304.28	0.	230.41	4716.53
7120	93.31	420.63	178.53	9.	122.40	29.44	106.24	958.55

1	10	11	12	13	14	15	16	17
7121	739.20	205.59	109.00	15.45	139.24	1393.47	412.09	3014.84
7122	1280.69	224.64	219.09	438.86	313.02	0.	397.41	2873.71
7123	1194.52	197.45	540.98	214.67	350.61	0.	365.75	2868.98
7201	2420.94	110.89	200.20	196.87	299.55	0.	500.81	3729.26
7202	2950.74	219.54	370.69	338.50	569.02	280.76	669.53	5599.34
7203	1814.67	468.81	408.14	1691.73	950.02	88.84	819.68	6261.89
7204	2714.50	134.63	105.92	46.09	323.40	0.	261.32	3585.86
7205	2022.12	108.01	150.06	147.49	283.43	842.45	556.27	4109.83
7206	1164.46	100.90	138.09	106.89	143.93	14.84	319.33	1989.24
7207	17.04	155.80	44.94	0.	169.47	0.	91.54	2378.79
7208	3769.92	107.16	125.72	2406.87	447.92	48.68	747.46	7713.73
7209	299.00	128.26	46.27	600.65	0.	0.	61.36	1135.54
7210	4919.29	255.95	180.93	77.07	447.30	30.46	562.79	6473.79
7211	3567.23	105.98	166.12	252.74	408.57	213.70	458.55	5174.89
7212	2144.00	243.88	424.31	29.83	702.60	2168.65	1205.30	6918.57
7213	2734.25	59.88	214.71	46.99	260.36	0.	575.24	3941.43
7214	44.00	512.43	320.53	5816.67	996.57	0.	791.68	6472.18
7301	496.80	0.	14.70	0.	106.69	0.	0.	818.19
7302	87.50	0.	0.	0.	14.66	0.	0.	102.16
7303	75.60	0.	44.17	0.	14.85	0.	0.	134.02
7304	60.00	15.23	48.09	0.	33.24	0.	33.24	189.80
7305	1340.22	179.74	401.42	274.65	296.96	504.44	283.79	3287.22
7306	3879.85	197.51	218.62	0.	261.12	0.	105.86	4568.96
7307	1213.60	39.90	16.56	0.	177.73	335.83	24.70	1813.32
7308	88.00	0.	64.00	0.	15.20	0.	0.	167.20
7309	324.00	12.00	0.	0.	29.82	0.	0.	365.82
7310	221.25	14.78	15.55	0.	16.62	0.	0.	268.20
7311	144.60	129.51	61.29	0.	98.58	1042.45	24.70	1505.53
7312	242.62	0.	0.	11.33	14.93	0.	0.	268.88
7313	215.00	14.27	60.15	0.	38.50	0.	0.	336.52

1	10	11	12	13	14	15	16	17
7314	175.50	12.10	31.57	0.	119.17	0.	43.29	984.63
7315	1044.40	15.40	46.11	-15.25	78.50	0.	0.	1199.74
7316	1718.28	0.	136.34	0.	167.37	0.	75.76	2097.75
7317	0.	0.	0.	0.	32.15	75.79	16.79	124.73
7318	953.04	21.14	137.44	154.19	206.54	30.50	107.05	1679.90
7319	648.90	14.93	96.30	0.	-60.35	0.	138.44	958.92
7320	793.60	150.87	297.71	0.	106.56	842.36	90.06	2294.56
7321	40.00	156.30	45.72	123.11	0.	0.	0.	365.19
7322	0.	0.	0.	0.	0.	0.	15.23	15.23
7323	16.00	0.	0.	0.	0.	0.	0.	18.00
7324	604.99	94.27	70.79	14.92	104.43	31.70	44.38	939.48
7325	2081.96	118.64	79.70	30.46	404.54	0.	76.81	2782.11
7326	542.50	29.20	0.	164.67	75.14	0.	13.09	825.40
7327	0.	15.05	75.18	60.66	45.75	0.	15.23	211.87
7328	2540.75	242.59	183.16	44.86	289.00	665.23	166.49	4138.70
7401	235.00	01.44	50.57	0.	28.28	0.	0.	375.29
7402	340.00	0.	14.50	0.	43.50	0.	0.	406.00
7403	40.00	0.	29.93	16.59	0.	0.	0.	94.52
7404	144.00	0.	0.	0.	0.	0.	0.	144.00
7405	144.00	46.61	33.50	0.	0.	-0.	0.	584.30
7406	405.24	143.74	162.47	57.42	14.38	360.19	0.	970.48
7407	115.20	52.34	0.	0.	0.	0.	0.	147.54
7408	547.20	14.40	12.40	0.	25.15	0.	0.	399.15
8101	316.58	521.58	75.98	134.73	14.13	32.28	122.17	1217.45
8102	1707.18	2720.62	949.95	91.60	575.32	159.00	1624.09	7827.76
8103	1239.19	157.35	50.02	0.	44.25	107.43	344.69	2022.93
8104	100.00	1493.23	567.27	314.87	0.	14.75	352.55	2645.97
8105	40.50	216.93	91.10	45.62	0.	0.	59.59	453.74
8106	1964.16	435.40	304.29	306.00	317.32	0.	497.24	3824.49
8107	0.	307.16	120.44	131.65	29.24	0.	16.79	685.28

1	10	11	12	13	14	15	16	17
8108	0.	364.85	46.86	0.	29.60	0.	0.	441.31
8109	0.	197.52	15.17	46.68	30.11	0.	0.	289.46
8110	1074.56	767.94	305.72	1725.84	659.24	106.16	1554.39	6194.85
8111	32.50	170.43	126.52	47.09	153.67	1114.87	248.95	1894.03
8112	623.79	138.33	30.14	15.03	179.73	15.06	183.51	1185.59
8113	2193.41	1641.56	326.47	138.97	518.79	4240.50	1106.33	10160.03
8114	2725.20	296.67	506.90	320.92	736.54	155.08	426.08	5163.39
8115	470.10	354.32	456.05	135.84	119.54	310.76	225.66	2072.27
8116	364.50	137.12	264.10	45.16	165.05	0.	20.28	945.01
8117	15.29	12541.65	331.09	16.53	121.15	0.	1104.48	14130.79
8118	988.02	719.67	185.64	469.68	774.20	15.46	1237.93	4390.60
8119	0.	76.33	14.85	30.68	136.94	0.	43.89	302.69
8120	0.	1032.72	93.99	152.70	0.	13.67	-16.40	1309.48
8201	1912.62	615.38	74.57	513.09	257.05	304.47	529.33	4207.11
8202	929.88	361.53	309.48	548.08	44.62	0.	496.52	2690.11
8203	4225.19	753.83	530.22	548.31	981.99	1086.05	2258.94	10384.53
8204	964.53	136.10	74.39	0.	203.56	0.	221.48	1685.06
8205	1950.96	113.65	107.39	0.	169.66	0.	137.53	2468.59
8206	1496.00	121.52	164.34	654.25	237.92	0.	539.91	3209.94
8207	2320.35	16.30	61.39	0.	336.50	15.31	226.04	2975.89
8208	4767.68	376.40	229.51	14.66	1197.78	1655.76	1470.26	9720.51
8209	3140.19	219.12	320.58	563.20	440.29	92.10	817.65	5593.43
8210	647.64	15.38	45.98	29.68	181.67	0.	261.48	1382.03
8211	75.00	1148.90	1241.40	12745.81	249.82	0.	1592.09	17653.02
8212	693.16	420.19	213.71	246.86	422.66	1417.42	1327.03	4770.45
8213	2827.20	230.09	252.64	16.91	304.57	0.	287.16	3918.57
8214	2145.50	239.29	289.31	136.71	402.32	16.24	460.76	3740.53
8215	1721.55	695.06	763.43	728.85	713.07	1744.60	1475.37	7841.93
8216	702.33	74.60	45.58	30.06	150.22	0.	702.11	1704.90
8217	2375.22	62.44	163.67	240.30	284.33	329.02	890.78	4352.01

1	10	11	12	13	14	15	16	17
8218	2212.02	122.83	144.75	107.66	413.67	259.54	675.73	4929.20
8219	2787.09	32.17	90.29	0.	300.17	0.	376.32	3586.04
8220	1244.10	08.12	237.96	2108.21	180.86	0.	256.93	4116.20
8221	2010.25	647.55	425.70	814.60	287.35	74.91	458.61	4730.03
8222	1630.73	221.15	126.03	306.82	283.16	29.58	402.87	2430.34
8223	661.74	232.22	106.01	72.89	70.06	0.	107.00	1255.92
8224	2357.70	46.29	184.05	46.98	90.13	15.36	539.09	3285.60
8225	3901.44	170.20	131.19	812.83	442.93	314.00	606.41	6379.14
8226	653.65	73.84	48.70	14.30	109.02	0.	212.97	1108.68
8227	5202.92	579.18	502.93	849.08	619.46	30.00	595.09	6421.66
8228	1063.45	2633.54	429.96	262.39	222.98	96.72	359.92	5088.96
8229	1353.72	235.16	198.27	383.93	425.93	14.66	651.40	3313.07
8230	0.	3316.99	60.10	15.00	49.42	0.	148.46	3619.97
8231	42.00	376.49	169.46	2390.37	264.77	0.	77.34	3290.45
8232	1965.04	779.60	276.36	956.83	1296.63	44.77	1076.65	6395.88
8233	2092.35	114.72	90.42	46.49	165.32	0.	218.41	2727.71
8234	1789.68	136.22	79.06	0.	358.71	441.79	414.19	3269.85
8235	882.00	656.23	1351.77	2246.10	818.74	255.11	850.40	7660.35
8236	3248.05	92.28	242.77	37.29	341.85	61.26	451.26	4468.36
8237	549.36	0.	0.	0.	0.	0.	0.	540.36
8238	2770.84	302.00	170.42	117.89	109.01	47.05	269.05	3793.32
8239	2986.13	153.52	111.73	117.93	286.32	0.	401.61	4057.24
8240	1478.07	236.58	167.70	379.60	138.80	0.	656.83	3057.58
8241	714.04	890.44	274.34	4329.09	938.00	536.55	2013.05	9726.01
8242	0.	1532.16	790.25	0237.00	45.42	0.	195.52	10820.35
8243	30.48	518.96	365.00	3795.00	62.04	46.35	181.15	4999.78
8301	2303.82	131.20	96.91	0.	292.00	228.58	252.81	3363.10
8302	2978.64	107.21	349.89	1626.65	411.62	169.96	715.09	6419.06
8303	1919.64	122.10	49.56	0.	141.62	526.23	348.75	3107.90
8304	206.00	0.	14.70	0.	0.	0.	0.	214.70
8305	240.00	0.	0.	0.	30.97	0.	0.	270.97

I	10	11	12.	13	14	15	16	17
6306	1911.00	327.10	184.07	178.55	613.68	1734.03	549.37	5498.46
6307	721.00	359.72	387.54	623.60	267.75	291.28	398.94	3051.43
6308	239.40	0.	0.	0.	0.	0.	0.	239.40
6309	780.84	15.35	17.47	15.30	257.46	0.	16.26	1111.24
6310	1902.42	76.35	16.26	0.	63.41	0.	148.24	2195.38
6311	3051.53	624.93	492.09	1699.32	369.48	15.49	903.14	7158.68
6312	1716.36	63.70	198.04	64.14	351.90	1153.48	485.51	4027.73
6313	1467.00	30.34	93.25	15.25	240.24	569.75	353.06	2768.59
6314	3254.52	106.34	75.28	28.12	396.02	609.91	478.20	5029.89
6315	1753.00	0.	76.05	0.	110.39	0.	134.50	2074.54
6316	0.	0.	0.	0.	15.51	0.	47.26	62.77
6317	0.	0.	0.	0.	0.	0.	0.	0.
6318	752.04	89.16	137.55	75.27	70.82	0.	0.	1125.44
6319	892.88	15.25	0.	0.	14.44	0.	0.	832.57
6320	0.	0.	0.	0.	0.	0.	0.	0.
6321	1110.74	14.97	33.56	0.	45.69	0.	0.	1204.96
6322	777.48	44.60	109.59	14.93	62.69	0.	0.	1009.29
6323	2942.54	498.02	437.61	320.72	439.42	756.94	804.62	6199.67
6324	3157.92	380.80	130.70	1065.65	246.56	104.41	276.95	5369.05
6325	493.00	16.50	16.06	0.	48.66	0.	50.26	624.68
6326	564.12	14.56	50.27	11.84	15.11	0.	28.20	695.10
6327	352.00	0.	14.70	0.	90.26	0.	0.	456.96
6328	683.30	380.67	61.28	2357.11	438.54	418.76	102.33	4641.99
9201	1409.88	126.75	14.97	211.15	134.27	0.	76.29	1973.31
9202	2277.00	376.72	223.09	358.03	583.47	14.51	902.21	4735.63
9203	1950.88	30.59	46.17	0.	75.11	0.	211.55	2320.32
9204	644.16	1427.17	121.35	76.30	190.72	0.	167.11	2632.81
9205	0.	196.05	0.	76.26	0.	0.	0.	272.31
9206	1163.30	352.84	334.28	212.59	196.51	118.84	590.85	2969.21
9207	1005.18	213.72	107.37	30.31	355.43	0.	409.52	2121.53

1	10	11	12	13	14	15	16	17
9208	2760.24	90.93	106.28	0.	182.73	0.	299.29	3439.47
9209	381.64	73.06	121.09	0.	91.94	505.97	389.84	1623.54
9210	2723.20	1520.33	717.93	15.05	1020.87	640.64	1258.65	7896.67
9211	2579.78	158.95	45.15	119.27	352.92	0.	416.36	3697.43
9212	0.	465.66	239.15	176.26	754.45	0.	429.27	2055.79
9213	0.	1031.37	225.47	292.62	101.83	0.	464.12	7115.41
9214	0.	1750.25	134.76	78.16	60.14	0.	114.21	2137.52
9215	80.00	557.23	64.15	119.42	77.57	0.	172.93	1071.30
9216	2151.36	210.37	173.96	0.	254.63	148.84	268.46	3207.62
9217	0.	6383.54	122.50	0.	30.94	0.	351.53	6888.51
9218	707.48	333.13	30.18	2033.99	275.94	44.82	417.52	3843.06
9219	176.00	559.83	152.26	967.96	44.12	88.96	491.29	2474.42
9220	291.51	406.82	171.73	429.97	243.67	15.29	91.44	1679.43
9221	194.04	627.89	38.18	0.	58.20	14.75	107.95	1233.01
9222	2389.50	126.73	46.16	135.83	221.95	0.	608.62	3528.79
9301	3323.64	871.16	662.16	933.75	505.30	1050.52	1453.53	8880.26
9302	153.30	52.53	45.48	29.10	0.	0.	72.99	843.40
9303	1336.60	643.76	106.01	272.94	341.43	0.	163.56	2866.32
9304	262.64	253.60	30.02	4167.26	74.23	0.	457.37	5265.12
9305	1488.18	69.80	108.00	15.58	176.30	644.34	416.16	2940.36
9306	161.00	600.85	43.41	0.	73.37	0.	102.63	1181.26
9307	2667.52	410.89	121.11	1380.96	214.09	0.	517.28	4711.85
9308	1115.68	122.20	31.64	30.85	290.61	0.	216.46	1610.64
9309	1869.60	257.06	390.27	3471.59	527.79	60.06	575.22	7159.59
9310	1264.60	1153.36	164.36	138.92	60.62	0.	276.93	3080.99
9311	275.50	100.87	208.05	0.	378.58	1966.00	578.41	3587.41
9312	313.72	558.35	641.75	1098.69	504.09	41.98	953.79	4152.37
9313	0.	0.	0.	0.	0.	0.	0.	0.
9314	0.	47.52	15.21	0.	134.67	0.	0.	197.40
9315	56.00	92.19	0.	0.	27.58	0.	45.04	220.81
9316	3119.65	44.97	87.36	0.	228.21	14.51	296.18	3790.88

1	10	11	12	13	14	15	16	17
9317	2157.60	259.61	208.36	0.	470.22	937.00	812.60	4845.59
9318	2310.36	291.47	29.02	0.	74.43	333.26	390.74	3437.88
9319	2743.29	30.45	10.14	0.	264.23	15.16	307.62	3376.89
9320	85.00	34.59	0.	0.	14.38	0.	35.24	219.21
9321	861.00	450.25	282.18	457.34	287.16	0.	620.70	2906.63
9322	1731.88	174.59	516.24	178.29	160.52	0.	543.87	3305.39
9323	700.92	160.87	29.88	119.40	207.70	313.72	162.92	1704.41
9324	1071.18	74.77	44.43	0.	0.	0.	120.98	1311.36
9325	240.00	0.	0.	0.	0.	0.	0.	240.00
9326	3030.70	164.17	240.55	350.89	521.50	0.	602.81	4924.62
9327	1682.46	241.71	41.89	90.66	45.47	0.	120.61	2222.00
9328	720.51	355.11	135.72	30.20	130.55	45.33	269.25	1664.67
9329	140.00	76.21	262.55	0.	47.04	391.97	69.76	995.53
9330	869.08	30.01	61.44	15.86	125.12	381.91	229.76	1763.78
9331	1744.00	30.42	103.53	0.	76.50	0.	122.06	2081.51
9332	"	16.16	0.	0.	0.	0.	0.	16.16
9333	901.60	62.12	20.76	31.06	113.22	0.	15.54	1152.32
9334	290.40	04.78	10.10	0.	61.14	0.	28.94	461.32
9335	523.00	28.94	0.	0.	14.64	0.	0.	366.58
9336	32.00	0.	0.	0.	14.51	0.	14.78	61.29





1	18	19	20	21	22	23	24	25	26
37	0.	0.	0.	0.	0.	0.	0.	0.	0.
38	0.	0.	18.00	18.00	0.	0.	0.	0.	18.00
39	0.	0.	82.00	0.	0.	0.	0.	0.	82.00
40	0.	0.	0.	0.	0.	0.	0.	0.	0.
41	0.	0.	39.00	19.50	0.	0.	0.	0.	39.00
42	0.	0.	0.	0.	0.	0.	0.	0.	0.
43	0.	0.	0.	0.	0.	0.	0.	0.	0.
44	0.	0.	0.	0.	0.	0.	0.	0.	0.
45	0.	0.	131.58	21.93	0.	0.	0.	0.	109.65
46	0.	0.	0.	0.	0.	0.	0.	0.	0.
47	0.	0.	0.	0.	0.	0.	0.	0.	0.
48	0.	0.	0.	0.	0.	0.	0.	0.	0.
49	0.	0.	0.	0.	0.	0.	0.	0.	0.
50	0.	0.	0.	0.	0.	0.	0.	0.	0.
51	0.	0.	9.00	9.00	0.	0.	0.	0.	9.00
52	0.	0.	0.	0.	0.	0.	0.	0.	0.
53	0.	0.	0.	0.	0.	0.	0.	0.	0.
54	0.	0.	0.	0.	0.	0.	0.	0.	0.
55	0.	0.	0.	0.	0.	0.	0.	0.	0.
56	0.	0.	0.	0.	0.	0.	0.	0.	0.
57	0.	0.	0.	0.	0.	0.	0.	0.	0.
1101	63.20	126.40	316.00	63.20	0.	0.	126.40	0.	79.00
1102	99.05	325.45	608.45	127.35	26.30	0.	268.85	0.	141.50
1103	254.15	254.15	652.15	179.40	0.	0.	418.60	508.30	239.20
1104	96.84	60.70	355.08	96.84	0.	0.	209.82	0.	112.98
1105	56.60	42.00	154.30	42.00	0.	0.	84.00	0.	56.00
1106	165.00	330.00	855.00	240.00	165.00	0.	315.00	0.	195.00
1107	375.00	345.00	1173.00	360.00	570.00	0.	30.00	0.	465.00
1108	148.90	146.90	446.70	163.79	208.46	0.	193.57	0.	134.01
1109	57.00	87.60	292.30	146.00	0.	0.	58.40	0.	73.00

1	18	19	20	21	22	23	24	25	26
1110	110.01	47.49	234.94	126.64	0.	47.49	94.98	31.66	94.98
1111	91.53	122.00	457.50	103.00	0.	0.	30.50	0.	122.00
1112	31.34	125.36	250.72	62.68	0.	0.	0.	0.	47.01
1113	386.88	327.36	1226.16	476.16	0.	0.	372.00	0.	357.12
1114	625.20	592.40	1824.00	653.60	729.60	0.	1185.60	30.40	532.00
1115	579.25	696.07	2073.40	553.16	311.01	29.62	1199.61	118.46	622.02
1116	107.80	15.40	246.40	92.40	0.	46.20	30.80	0.	77.00
1117	526.55	373.20	1057.40	326.55	108.85	0.	244.60	46.65	279.90
1118	217.10	354.00	1269.20	317.36	66.80	33.40	167.00	100.20	384.10
1119	153.61	166.92	486.65	139.10	27.82	0.	83.46	0.	153.01
1120	187.22	232.31	625.45	53.61	339.53	0.	178.70	0.	160.83
1121	147.78	114.94	935.94	279.14	0.	0.	32.84	65.68	377.66
1122	255.00	420.00	1335.00	336.00	90.00	270.00	375.00	480.00	435.00
1123	175.12	222.88	732.32	191.04	0.	0.	127.36	31.84	175.12
1124	201.50	203.50	930.00	310.00	0.	0.	0.	201.50	279.00
1125	351.67	459.28	1345.52	428.12	76.45	91.74	397.54	0.	443.41
1126	110.56	58.26	422.53	203.98	29.14	29.14	0.	0.	203.98
1127	177.96	439.39	1156.74	266.94	0.	0.	281.77	133.47	296.60
1128	120.00	120.00	480.60	155.00	0.	30.00	150.00	255.00	135.00
1129	136.53	45.51	503.46	136.53	0.	0.	0.	106.19	91.02
1130	147.30	191.49	559.74	162.03	132.57	0.	0.	0.	162.03
1131	21.00	0.	42.00	0.	0.	0.	0.	0.	21.00
1132	428.70	328.67	1300.39	571.60	700.21	28.58	328.67	0.	428.70
1133	409.00	357.00	1241.00	527.00	408.00	0.	60.00	0.	357.00
1134	519.52	519.52	1634.96	687.60	91.68	0.	1054.32	0.	488.96
1135	365.64	476.16	1536.00	469.80	30.72	0.	399.36	30.72	445.44
1136	672.30	717.12	2345.58	732.06	403.38	0.	986.04	343.62	732.06
1137	549.00	390.00	1275.00	525.06	465.00	0.	330.00	0.	360.00
1138	0.	0.	0.	0.	0.	0.	0.	0.	0.
1201	581.49	531.49	1678.66	775.32	357.84	0.	685.86	119.28	492.03

1	18	19	20	21	22	23	24	25	26
1202	19.00	0.	76.00	19.00	0.	0.	0.	0.	19.00
1203	52.00	0.	52.00	0.	0.	0.	0.	0.	26.00
1204	612.54	542.42	1043.40	463.14	59.76	0.	1389.42	552.78	403.38
1205	67.98	26.65	169.95	33.99	0.	0.	317.24	0.	33.99
1206	626.00	845.13	2062.00	702.50	641.65	0.	1205.05	375.60	532.10
1207	79.30	47.58	285.48	79.30	126.88	0.	95.16	0.	95.16
1208	124.63	113.30	294.58	67.98	0.	0.	396.55	22.66	79.31
1209	671.00	793.00	1587.75	472.75	411.75	76.25	1311.50	45.75	488.00
1210	130.32	81.45	260.64	130.32	179.19	0.	65.16	0.	114.03
1211	337.05	256.80	930.90	272.85	64.20	0.	513.60	0.	304.95
1212	276.45	407.40	1047.60	218.25	14.55	58.20	509.25	87.30	261.90
1213	462.00	341.00	1100.50	372.00	124.00	0.	527.00	31.00	294.50
1214	212.29	139.64	457.24	133.64	97.98	0.	277.61	0.	130.64
1215	1180.26	971.10	2763.90	1075.68	881.46	179.28	1464.12	224.10	702.18
1301	513.36	327.98	983.94	456.32	228.16	185.38	827.08	0.	270.94
1302	190.82	272.60	490.68	149.93	81.78	0.	572.46	0.	109.04
1303	263.55	140.56	491.96	153.13	0.	0.	351.40	0.	122.99
1304	256.00	240.00	592.00	224.00	64.00	160.00	656.00	0.	144.00
1305	362.50	246.50	710.50	246.50	116.00	0.	754.00	0.	203.00
1306	54.99	0.	109.98	36.66	0.	0.	0.	0.	54.99
1307	265.50	147.50	457.25	132.75	29.50	0.	413.00	0.	118.00
1308	519.18	213.76	1084.17	412.29	167.97	0.	549.72	0.	335.94
1309	250.20	139.00	228.20	166.80	0.	69.50	458.70	0.	139.00
1310	101.05	101.65	243.96	63.99	0.	0.	447.26	0.	60.99
1311	261.28	179.63	604.21	195.96	32.66	195.96	522.56	0.	195.96
1312	99.40	56.00	227.20	71.00	0.	0.	198.80	0.	71.00
1313	102.00	102.00	238.00	102.00	0.	0.	238.00	0.	60.00
1314	79.20	26.40	145.20	52.80	0.	0.	92.40	0.	66.00
1315	223.30	47.85	606.10	173.45	63.30	0.	255.20	0.	159.50
1316	497.42	117.04	1024.10	464.16	292.60	0.	936.32	204.82	336.49



I	18	19	20	21	22	23	24	25	26
2108	106.08	108.48	470.08	317.36	144.64	0.	108.48	0.	198.88
2109	330.44	225.36	1051.40	465.62	0.	0.	120.16	30.04	390.52
2110	301.60	270.30	1335.60	429.30	143.10	0.	270.30	0.	429.30
2111	991.52	336.16	1396.48	565.36	275.04	122.24	550.08	0.	550.08
2112	1084.62	1116.12	2939.64	1100.40	1304.76	31.44	1729.20	0.	880.32
2113	257.85	34.36	481.32	412.56	51.57	0.	34.38	0.	360.99
2114	377.76	94.44	755.52	472.28	0.	0.	299.06	0.	409.24
2115	834.84	943.06	3692.00	1066.74	100.22	139.14	1205.88	185.52	958.52
2116	239.20	568.10	1210.95	313.95	134.55	0.	672.75	44.85	284.05
2117	172.20	172.20	602.70	143.50	57.40	0.	516.60	0.	172.20
2118	311.60	436.24	1339.88	428.66	62.32	0.	155.80	31.16	342.76
2119	478.08	476.08	1043.40	567.72	149.40	0.	209.16	313.74	507.96
2120	623.70	767.05	2212.65	757.35	74.25	74.25	1366.20	534.60	668.25
2121	807.30	598.80	2018.25	956.80	508.39	149.50	717.60	44.85	598.00
2122	574.94	347.99	1391.96	650.59	272.34	0.	544.68	0.	469.03
2123	325.62	355.44	903.41	281.39	29.62	0.	385.06	0.	222.15
2124	152.46	207.90	734.58	277.20	110.88	0.	291.06	0.	180.18
2125	374.64	312.20	1630.26	421.47	124.88	31.22	593.18	0.	312.20
2126	217.56	145.04	652.08	199.43	0.	90.65	90.65	217.56	199.43
2127	0.	0.	0.	0.	0.	0.	0.	0.	0.
2128	0.	0.	0.	0.	0.	0.	0.	0.	0.
2129	423.80	554.26	1271.40	551.20	153.00	97.80	798.70	0.	374.90
2130	245.31	274.17	721.53	303.03	28.86	72.15	202.02	0.	187.59
2131	534.48	220.08	990.36	440.16	0.	0.	172.92	0.	345.84
2132	606.06	497.28	1600.62	699.30	62.16	31.08	792.54	0.	497.28
2133	1176.48	897.84	2739.96	1006.20	1130.04	46.44	1439.64	0.	804.96
2134	564.40	249.00	1468.80	713.80	597.60	33.20	431.60	33.20	514.60
2135	571.68	714.60	2112.04	794.00	317.60	127.04	666.96	79.40	555.80
2136	634.40	824.72	2236.26	777.14	230.18	47.58	697.84	79.30	586.82
2137	460.40	319.20	1292.00	425.60	364.88	60.80	562.40	0.	425.60

1	18	19	20	21	22	23	24	25	26
2138	642.24	207.95	1537.30	507.21	753.13	0.	983.68	76.85	414.99
2139	717.22	305.20	1002.30	656.18	859.30	259.42	350.98	0.	534.10
2140	296.87	47.19	503.36	203.14	173.03	0.	62.92	0.	235.95
2141	432.24	240.30	697.12	352.44	704.88	32.04	368.46	80.10	320.40
2142	804.10	407.24	1520.48	570.18	921.06	116.96	1154.98	0.	453.22
2143	1737.72	1029.76	3052.43	1673.30	1303.29	48.27	2075.61	0.	1222.84
2144	683.76	357.42	1460.76	528.36	248.64	0.	559.44	124.32	543.90
2145	719.44	203.32	1423.24	641.24	250.24	0.	703.80	0.	484.84
2146	536.92	259.52	1152.69	369.22	583.83	0.	194.61	44.91	464.07
2147	530.30	245.00	1051.22	508.30	830.52	0.	307.60	61.52	399.88
2148	87.73	43.89	219.45	87.78	29.26	14.63	29.26	0.	87.78
2149	813.55	399.10	1027.10	721.45	1013.10	61.40	337.70	0.	782.85
2150	749.70	200.10	1346.40	657.90	504.90	0.	596.70	0.	566.10
2151	641.99	253.31	1440.21	656.92	418.04	253.81	223.95	59.72	582.27
2152	457.50	122.00	793.00	427.50	228.75	152.50	91.50	30.50	289.75
2153	923.54	303.36	1998.48	847.84	423.92	0.	545.04	0.	757.00
2154	727.68	500.28	1955.64	879.28	90.96	75.80	606.40	0.	606.40
2155	610.42	333.20	1482.74	649.74	216.58	16.66	466.48	33.32	583.10
2156	810.75	623.70	1950.20	653.40	757.35	341.55	1574.10	0.	579.15
2157	556.85	210.70	1324.10	692.30	165.55	0.	195.65	90.30	556.85
2158	1594.26	515.79	3344.82	1547.37	468.90	218.82	875.28	0.	1375.44
2159	702.00	343.20	1326.00	624.00	608.40	0.	358.80	0.	468.00
2160	13.00	72.00	144.00	54.00	152.00	0.	0.	0.	18.00
2201	126.40	94.80	395.00	126.40	31.60	0.	0.	79.00	79.00
2202	536.87	507.85	1712.18	551.38	507.85	0.	609.42	0.	507.85
2203	694.06	304.28	1040.58	739.00	339.94	29.56	354.72	177.36	472.96
2204	475.85	337.70	1105.20	521.90	537.25	0.	260.95	138.15	353.05
2205	554.40	429.36	1441.44	653.60	330.16	-0.	475.20	79.20	427.68
2206	573.13	836.46	2184.69	759.01	511.17	0.	1703.90	0.	526.66
2207	935.15	524.75	2171.45	776.65	31.70	158.50	2123.90	0.	665.70

	18	19	20	21	22	23	24	25	26
2204	1144.50	1449.70	3219.66	1129.24	61.04	274.60	3280.90	61.04	763.00
2209	522.92	476.78	1491.06	507.54	0.	50.76	799.76	0.	338.36
2210	60.68	53.34	166.37	66.68	0.	0.	66.68	0.	50.01
2211	164.00	99.40	383.40	170.40	85.20	0.	284.00	0.	142.00
2212	716.16	596.80	1805.32	671.40	104.44	0.	701.24	0.	507.28
2213	861.08	520.10	1940.66	743.00	118.88	0.	282.14	59.34	594.40
2214	232.62	387.36	1210.50	629.40	145.26	0.	597.18	0.	355.08
2215	572.96	248.64	745.92	326.34	404.04	62.16	652.68	0.	202.02
2216	306.08	213.43	573.90	248.69	172.17	76.52	841.72	0.	153.04
2217	0.	0.	0.	0.	0.	0.	0.	0.	0.
2218	634.12	445.20	1261.40	503.92	133.56	0.	994.28	59.36	356.16
2219	699.36	258.08	1458.24	520.80	729.12	29.76	729.12	133.92	714.24
2220	1406.68	1008.12	3250.40	1145.52	944.28	30.96	2616.12	0.	866.88
2221	1023.75	606.25	2161.25	877.50	780.08	32.50	1170.00	113.75	633.75
2222	090.30	400.20	1503.32	690.30	92.04	0.	813.02	0.	460.20
2223	0.	0.	0.	0.	0.	0.	0.	0.	0.
2224	629.12	519.52	1726.64	672.32	152.60	0.	855.68	61.12	488.96
2225	992.12	904.58	2217.68	375.40	364.75	0.	1925.88	0.	569.01
2226	310.27	103.30	555.22	212.29	734.85	0.	567.88	0.	163.30
2227	880.36	220.09	1422.12	575.62	457.11	0.	643.34	0.	490.97
2228	779.76	453.20	1450.44	548.72	563.16	0.	967.48	0.	462.08
2229	304.00	121.60	562.40	243.20	349.60	0.	212.80	0.	212.80
2230	12.00	14.90	70.00	14.00	0.	0.	28.00	0.	28.00
2231	550.33	271.62	965.76	437.61	610.69	0.	1026.12	0.	331.98
2232	210.00	30.00	315.00	180.00	105.00	0.	30.00	0.	180.00
2233	651.04	346.72	1560.24	803.76	890.32	283.68	709.20	0.	646.16
2234	203.50	261.50	527.00	248.00	93.00	0.	403.00	0.	170.50
2235	693.68	266.52	1477.04	633.30	361.92	75.40	754.00	0.	573.04
2236	612.80	122.50	1149.30	505.50	536.20	0.	245.12	0.	520.88
2237	231.14	100.02	497.34	142.24	213.36	0.	337.82	0.	160.02

1	18	19	20	21	22	23	24	25	26
2238	320.07	76.35	056.61	183.24	335.94	0.	61.08	45.81	305.40
2239	0.	0.	0.	0.	0.	0.	0.	0.	0.
2240	139.50	15.50	240.00	93.00	410.50	0.	0.	0.	93.00
2241	577.50	313.50	940.50	379.50	353.00	0.	1171.50	115.50	264.00
2242	472.00	236.00	752.25	260.25	531.00	73.75	870.25	29.50	236.00
2301	10.66	10.66	21.32	5.33	0.	0.	21.32	0.	5.33
2302	330.26	175.44	716.38	307.02	175.44	0.	394.74	0.	190.06
2303	997.63	854.06	2114.38	878.51	446.70	59.56	1920.81	0.	536.04
2304	0.	0.	0.	0.	0.	0.	0.	0.	0.
2305	154.60	58.05	406.35	105.45	30.70	0.	38.70	0.	174.15
2306	1440.53	728.18	2011.95	1044.70	838.99	15.83	2152.88	0.	854.82
2307	200.38	104.19	462.21	178.92	59.64	0.	730.59	0.	164.01
2308	406.00	203.00	783.00	377.00	522.00	290.00	551.00	0.	203.00
2309	0.	0.	0.	0.	0.	0.	0.	0.	0.
2310	672.76	306.96	1238.49	480.28	764.50	30.58	871.53	0.	366.96
2311	755.13	691.65	1629.03	707.02	553.32	153.70	2612.90	0.	461.10
2312	460.52	164.40	838.44	427.44	147.96	82.20	756.24	0.	263.04
2313	443.70	413.70	1094.46	399.33	430.07	0.	1715.64	0.	251.43
2314	220.00	233.75	536.25	151.25	27.50	0.	591.25	0.	110.00
2315	1394.72	618.64	2986.52	955.00	1061.20	15.16	2167.88	0.	758.00
2316	103.55	124.02	240.04	62.01	0.	0.	413.40	0.	62.01
2317	124.02	103.35	289.38	124.02	0.	0.	475.41	0.	62.01
2318	540.26	349.56	1064.63	397.25	331.36	0.	842.17	0.	286.02
2319	151.20	239.40	516.60	126.00	0.	0.	567.00	0.	113.40
2320	1330.42	920.20	3217.76	1144.70	650.85	170.17	1779.05	30.94	897.26
2321	771.26	251.84	1243.46	502.38	834.22	0.	834.22	0.	446.72
2322	92.97	61.98	154.95	82.64	0.	0.	144.62	0.	30.99
2323	1431.27	1108.80	3047.43	1105.03	353.97	0.	2477.79	0.	908.01
2324	22.00	0.	22.00	22.00	55.00	0.	0.	0.	11.00
2325	120.00	45.00	225.00	75.00	0.	0.	90.00	0.	60.00
2326	78.75	63.00	189.00	110.25	0.	0.	204.75	0.	63.00



	18	19	20	21	22	23	24	25	26
101	151.00	45.00	420.00	155.90	30.00	0.	30.00	0.	135.00
102	90.84	113.55	454.20	93.84	0.	0.	0.	0.	113.55
103	513.15	100.65	621.15	242.40	50.30	0.	212.10	0.	196.95
104	25.00	0.	30.00	15.00	0.	0.	0.	0.	15.00
105	353.05	921.00	2271.00	399.10	0.	0.	445.15	61.40	660.05
106	0.	0.	0.	0.	0.	0.	0.	0.	0.
107	0.	0.	0.	0.	0.	0.	0.	0.	0.
108	0.	0.	0.	0.	0.	0.	0.	0.	0.
109	537.95	104.44	760.50	338.14	599.43	0.	783.87	0.	307.40
110	406.02	256.02	753.00	346.35	512.04	256.02	910.66	0.	240.96
111	49.69	16.65	149.67	66.52	0.	0.	33.26	0.	99.78
112	33.39	11.33	99.31	45.32	0.	0.	0.	0.	33.99
113	34.00	05.00	130.00	34.00	0.	0.	51.00	0.	17.00
1201	410.20	292.74	800.52	362.44	440.08	0.	655.18	0.	250.92
1202	281.20	192.40	606.00	251.60	29.60	0.	473.60	0.	207.20
1203	612.81	222.64	1320.36	647.39	157.90	110.53	600.02	0.	363.17
1204	121.30	116.19	340.91	106.19	0.	0.	121.36	0.	91.02
1205	79.20	92.49	250.80	79.20	26.40	0.	224.40	0.	66.00
1206	774.00	340.50	1486.00	743.04	61.92	0.	696.60	92.88	541.80
1207	1172.68	771.50	2391.65	967.52	447.47	0.	1836.17	0.	709.78
1208	83.00	06.40	265.00	83.00	0.	0.	265.60	0.	83.00
1209	0.	0.	0.	0.	0.	0.	0.	0.	0.
1210	0.	0.	0.	0.	0.	0.	0.	0.	0.
1211	300.00	216.10	787.44	293.36	154.40	0.	880.08	0.	247.04
1212	294.00	235.60	721.77	235.68	58.92	0.	721.77	279.87	162.03
1213	716.83	425.43	1249.35	691.47	331.42	29.34	1290.96	88.02	469.44
1214	593.18	249.76	533.43	421.47	140.49	171.71	764.89	0.	280.98
1215	700.92	362.67	1031.95	694.99	1035.45	95.58	1146.96	31.86	573.48
1216	410.34	246.72	909.78	354.60	61.60	0.	462.60	0.	277.56
1217	230.28	64.44	300.72	123.88	0.	0.	171.84	128.88	128.88
1218	60.00	00.00	150.00	30.00	45.00	0.	105.00	0.	45.00

1	18	19	20	21	22	23	24	25	26
3219	102.00	144.00	252.00	126.00	0.	0.	106.00	0.	72.00
3220	0.	0.	0.	0.	0.	0.	0.	0.	0.
3301	91.00	91.00	182.00	73.00	0.	0.	364.00	0.	39.00
3302	51.00	0.	51.00	17.00	0.	0.	0.	0.	34.00
3303	499.72	225.68	902.72	354.64	64.48	0.	757.64	0.	274.04
3304	1862.00	1074.24	3200.20	1536.70	1802.32	149.20	3730.00	208.88	1059.32
3305	467.48	220.62	835.20	317.49	183.81	133.68	885.63	0.	233.94
3306	507.80	229.20	096.60	210.60	32.40	0.	664.20	0.	178.20
3307	114.64	143.30	315.26	71.65	28.66	0.	487.22	0.	71.65
3308	450.75	300.75	834.75	299.25	94.20	299.25	771.75	0.	252.00
3309	73.32	91.62	238.29	73.32	0.	0.	146.64	0.	54.99
3310	54.08	54.68	164.04	41.01	0.	0.	109.36	0.	41.01
3311	610.95	040.27	2054.02	684.94	223.35	0.	1414.55	0.	550.93
3312	73.35	29.34	132.03	73.35	29.34	0.	117.36	0.	44.01
3313	632.41	523.71	1634.01	606.54	365.01	0.	1158.51	126.96	444.36
3314	381.92	225.60	711.76	260.40	173.60	0.	902.72	0.	190.96
3315	041.50	612.00	1790.10	581.40	504.90	0.	1071.00	198.90	504.90
3316	714.72	342.47	1354.99	550.93	416.92	29.78	431.81	0.	446.70
3317	771.00	693.90	1727.04	570.54	277.56	30.84	2282.16	46.26	462.60
3318	290.94	66.68	300.06	150.03	115.69	33.34	66.68	0.	100.02
3319	274.72	103.02	480.26	223.21	206.04	0.	240.38	120.19	154.53
3320	94.50	40.50	162.00	81.00	0.	0.	54.00	0.	54.00
3321	57.32	71.65	200.02	71.65	0.	0.	171.96	0.	42.99
4101	117.60	33.60	184.80	84.00	0.	0.	0.	0.	84.00
4102	1154.44	1215.20	3751.93	1291.15	0.	15.19	1625.33	136.71	1108.87
4103	577.08	336.63	1282.40	657.23	0.	64.12	753.41	64.12	480.90
4104	100.00	12.50	162.50	67.50	0.	75.00	25.00	0.	75.00
4105	206.96	175.12	036.80	191.04	31.84	0.	95.52	0.	191.04
4106	325.50	100.50	723.50	341.00	310.00	0.	243.00	0.	263.50
4107	287.98	237.10	711.48	223.22	0.	0.	711.48	0.	237.16

	18	19	20	21	22	23	24	25	26
1									
4108	29.00	0.	116.00	43.50	29.00	0.	43.50	0.	58.00
4109	76.68	39.34	196.70	39.34	255.71	0.	157.36	0.	59.01
4110	19.90	15.30	25.30	5.00	0.	0.	30.00	0.	5.00
4111	9.00	0.	16.00	18.00	0.	0.	0.	0.	9.00
4112	0.	0.	0.	0.	0.	0.	0.	0.	0.
4201	446.00	109.40	1047.20	431.20	0.	61.60	308.00	0.	359.60
4202	741.00	503.10	2074.80	607.62	0.	118.56	1037.40	59.28	548.34
4203	493.44	323.82	1171.92	379.08	92.52	0.	894.36	0.	292.98
4204	420.94	307.61	939.02	372.37	64.76	0.	793.31	0.	323.80
4205	286.00	270.62	587.53	243.61	0.	0.	630.52	143.30	157.63
4206	606.86	383.28	1549.09	542.90	255.52	03.88	926.26	0.	495.07
4207	414.44	143.46	637.60	302.80	223.16	0.	398.50	0.	207.22
4208	108.00	64.80	216.00	66.40	0.	0.	183.60	0.	54.00
4209	91.50	0.	152.50	61.00	30.50	0.	0.	30.50	61.00
4210	0.	0.	0.	0.	0.	0.	0.	0.	0.
4301	1263.36	736.00	2737.28	932.48	691.84	285.76	2015.36	0.	782.08
4302	3345.84	2447.42	7663.04	2895.63	2122.13	1301.16	5762.28	154.90	2106.64
4303	353.20	282.80	735.28	226.24	23.20	212.10	919.10	0.	183.82
4304	1409.75	973.50	3171.25	1224.25	619.50	413.00	2212.50	0.	840.75
4305	491.08	280.96	1106.28	368.76	210.72	35.12	1036.04	0.	316.08
4306	73.35	47.01	172.37	47.01	0.	31.34	125.36	0.	47.01
4307	14.00	0.	14.00	0.	0.	0.	0.	0.	14.00
4308	943.64	700.12	2359.10	730.56	669.68	136.98	1719.86	0.	624.02
4309	2234.60	2144.20	5481.30	1736.50	2506.00	403.20	5134.00	0.	1298.60
4310	533.52	444.60	1141.14	370.50	207.48	0.	1259.70	0.	296.40
4311	292.50	65.00	357.50	162.50	146.25	0.	130.00	0.	130.00
4312	64.00	32.00	96.00	48.00	32.00	0.	16.00	0.	32.00
4313	65.50	99.75	242.25	85.50	0.	0.	99.75	0.	57.00
4314	0.	0.	0.	0.	0.	0.	0.	0.	0.
5101	0.	0.	0.	0.	0.	0.	0.	0.	0.
5102	145.00	217.50	609.00	246.50	0.	0.	0.	58.00	145.00

I	18	19	20	21	22	23	24	25	26
5103	502.77	517.14	1025.20	593.19	60.84	0.	395.46	0.	471.51
5104	0.	0.	0.	0.	0.	0.	0.	0.	0.
5105	63.32	63.32	284.94	63.32	63.32	0.	63.32	0.	94.98
5106	0.	0.	0.	0.	0.	0.	0.	0.	0.
5107	102.91	30.26	287.47	136.17	0.	60.52	30.26	0.	105.91
5108	1121.25	463.45	2481.70	1061.45	493.35	89.70	1046.50	0.	852.15
5201	1249.56	731.85	2620.30	1071.00	714.00	946.05	1820.70	303.45	892.50
5202	0.	0.	0.	0.	0.	0.	0.	0.	0.
5203	960.65	1018.64	3295.00	863.82	464.38	2396.80	1453.06	0.	778.96
5204	999.02	1426.56	3700.14	951.04	44.58	2942.28	1708.90	59.44	817.30
5301	0.	0.	0.	0.	0.	0.	0.	0.	0.
5302	204.75	217.75	787.25	201.00	67.00	134.00	402.00	0.	201.00
5303	215.70	201.32	503.30	153.18	28.76	57.52	560.82	0.	115.04
5304	66.55	79.98	226.51	53.32	0.	146.63	106.54	0.	39.99
5305	73.35	58.60	161.37	44.01	0.	0.	249.39	0.	44.01
5306	266.60	142.26	584.60	205.40	0.	31.60	568.80	0.	158.00
5307	1099.08	588.24	2167.20	1006.20	588.24	619.20	1021.68	61.92	774.00
5308	522.88	310.40	1176.48	457.52	196.08	0.	702.62	0.	343.14
5309	560.88	701.10	1776.12	482.98	124.64	124.64	1556.00	109.06	405.08
5310	642.96	84.60	1882.68	846.00	0.	2774.88	253.80	16.92	846.00
5311	981.20	437.90	2295.20	961.50	407.70	966.40	906.00	0.	770.10
5312	506.61	166.87	1228.77	561.29	546.12	667.48	576.46	0.	409.59
5313	645.00	467.50	1603.75	666.25	568.75	585.00	1306.00	65.00	520.00
5314	478.40	448.50	1196.00	403.65	269.10	44.85	792.35	149.50	328.90
5315	119.00	51.00	204.00	85.00	102.00	0.	102.00	0.	68.00
5316	461.10	365.70	1224.30	349.80	127.20	31.80	651.90	0.	333.90
5317	1227.60	0.	1449.25	1346.95	0.	5626.50	0.	0.	1329.90
5318	0.	0.	0.	0.	0.	0.	0.	0.	0.
5319	339.36	96.96	630.24	323.20	220.24	355.52	258.56	0.	307.04
5320	586.44	260.64	1303.20	521.28	220.06	700.47	570.15	0.	504.99

I	18	19	20	21	22	23	24	25	26
5321	550.02	700.49	1902.08	509.33	65.72	0.	556.62	0.	575.05
5322	12.10	46.00	72.00	12.00	0.	0.	0.	0.	12.00
5323	0.	0.	0.	0.	0.	0.	0.	0.	0.
5324	0.	0.	0.	0.	0.	0.	0.	0.	0.
5325	517.82	243.60	589.95	441.67	472.13	243.68	563.51	15.23	335.06
5326	0.	0.	0.	0.	0.	0.	0.	0.	0.
5327	1013.71	832.15	2405.67	786.70	741.37	378.25	1573.52	90.78	680.05
5328	889.90	372.14	1795.98	809.00	226.52	323.60	614.84	258.88	663.38
5329	130.41	204.93	484.38	167.67	74.52	74.52	10.63	0.	149.04
5330	23.00	0.	46.00	23.00	0.	0.	0.	0.	23.00
5331	654.00	496.50	1762.15	555.90	130.80	261.60	735.75	0.	457.80
5332	919.52	952.36	2994.36	879.26	394.08	394.08	1656.42	114.94	738.90
5333	1059.27	822.12	2039.49	711.45	1027.65	569.16	2529.60	0.	505.92
5334	132.80	16.60	215.60	99.60	0.	33.20	33.20	0.	83.00
5335	10.00	5.00	15.00	5.00	0.	0.	10.00	0.	5.00
5401	20.00	0.	40.00	20.00	0.	0.	0.	0.	20.00
5402	53.32	39.99	119.97	66.65	66.65	0.	106.64	0.	39.99
5403	227.10	121.12	393.64	136.26	151.40	30.28	333.08	30.28	105.98
5404	992.64	977.13	2386.54	604.89	1070.19	279.18	2481.60	0.	573.87
5405	0.	0.	20.00	0.	0.	0.	0.	0.	10.00
5406	145.36	127.19	363.40	145.36	145.36	0.	363.40	0.	90.85
5501	6.00	16.00	40.00	16.00	0.	0.	32.00	0.	8.00
5502	75.00	75.00	210.00	75.00	150.00	0.	60.00	0.	45.00
5503	54.00	36.00	100.00	14.00	0.	0.	90.00	0.	36.00
5504	0.	0.	0.	0.	0.	0.	0.	0.	0.
5505	86.00	04.50	150.50	43.00	21.50	0.	193.50	0.	43.00
5506	112.00	98.00	252.00	112.00	28.00	0.	224.00	0.	84.00
5507	20.00	13.00	65.00	0.	0.	0.	20.00	0.	13.00
5508	112.50	56.25	225.00	112.50	0.	0.	225.00	0.	75.00
5509	16.50	0.	33.00	16.50	0.	0.	0.	0.	16.50

i	18	19	20	21	22	23	24	25	26
5510	26.00	0.	52.00	52.00	0.	0.	0.	0.	26.00
5511	679.75	271.90	1141.98	435.04	1141.98	108.76	706.94	0.	435.04
5512	702.64	502.92	1549.34	644.26	020.36	36.68	1104.48	61.36	521.56
5513	700.56	517.03	1484.52	550.44	403.72	0.	1200.96	33.36	366.96
5514	404.40	202.20	608.00	337.00	741.40	0.	202.20	0.	337.00
6101	253.13	312.69	1012.52	327.36	0.	0.	282.91	0.	260.02
6102	416.00	336.00	1320.00	512.00	80.00	0.	144.00	0.	496.00
6103	130.00	178.75	715.00	162.50	0.	0.	40.75	32.50	195.00
6104	365.75	505.20	1594.67	468.16	58.52	73.15	643.72	14.63	438.90
6105	850.14	630.84	2440.26	961.28	120.16	0.	720.96	45.06	871.16
6106	672.84	500.70	2082.60	736.92	128.16	96.12	945.13	80.10	672.84
6107	103.60	118.40	414.40	118.40	0.	44.40	266.40	0.	133.20
6108	90.42	195.91	497.31	150.70	0.	0.	286.33	0.	195.91
6109	360.41	266.39	677.52	250.72	109.69	0.	188.04	0.	344.74
6110	490.05	311.52	1381.05	549.45	252.45	0.	534.60	193.05	460.35
6111	1020.00	300.00	2025.00	975.00	765.00	0.	585.00	60.00	690.00
6112	774.72	419.64	1581.72	645.60	330.94	145.26	045.60	0.	564.90
6113	862.26	561.66	2428.80	850.08	30.36	60.72	986.70	60.72	743.82
6114	662.64	512.04	1686.72	707.82	135.54	135.54	1506.00	30.12	496.98
6115	801.36	241.92	1239.84	619.92	493.96	559.44	710.64	0.	498.96
6116	1435.28	716.64	3514.46	1388.49	432.97	164.23	1567.65	29.86	1119.75
6201	681.45	350.40	1300.95	495.60	123.90	0.	743.40	0.	413.00
6202	0.	0.	0.	0.	0.	0.	0.	0.	0.
6203	482.70	32.18	352.77	547.06	402.25	64.36	32.18	96.54	370.07
6204	1066.74	943.06	2411.76	881.22	1144.04	30.92	2164.40	0.	602.94
6205	1024.00	832.00	2440.00	843.00	400.00	624.00	1232.00	0.	650.00
6206	926.40	380.00	2230.80	756.56	185.28	926.40	1775.60	0.	555.84
6207	619.18	864.69	1972.10	576.46	606.00	121.36	2123.80	0.	439.93
6208	720.30	705.60	1631.70	553.60	68.20	132.30	1249.50	0.	396.90
6209	614.00	215.16	1196.86	399.62	184.44	92.22	707.02	0.	384.25

	18	19	20	21	22	23	24	25	26
0210	415.25	548.15	1179.31	382.03	265.76	0.	979.99	33.22	298.98
0211	0.	0.	0.	0.	0.	0.	0.	0.	0.
0301	112.00	42.00	182.00	98.00	28.00	0.	98.00	0.	70.00
0302	32.00	0.	64.00	32.00	0.	0.	0.	0.	32.00
0303	430.19	271.90	1012.57	438.19	120.88	60.44	634.62	30.22	271.98
0304	358.38	358.38	961.11	309.51	228.06	97.74	798.21	81.45	228.06
0305	222.43	102.66	427.75	153.99	0.	0.	479.08	0.	153.99
0306	1492.83	816.45	2693.25	1077.30	569.43	30.78	2770.20	0.	784.89
0307	902.72	741.52	2063.36	789.88	596.44	0.	1869.92	0.	548.08
0308	126.00	90.00	252.00	90.00	72.00	0.	468.00	0.	54.00
0309	50.65	22.66	113.30	33.99	0.	0.	135.96	0.	33.99
0310	99.00	123.75	247.50	49.50	0.	0.	396.00	0.	49.50
0311	854.72	580.32	1547.52	461.28	550.56	103.68	1220.16	0.	386.88
0312	234.92	201.36	587.30	134.58	100.68	0.	604.08	0.	151.02
0313	70.00	0.	07.50	70.00	35.00	0.	0.	0.	35.00
0314	536.20	418.60	1210.95	204.05	418.60	14.95	837.20	0.	299.00
0315	414.76	293.40	733.50	278.73	264.06	29.34	616.14	0.	176.04
0316	602.36	509.19	1589.29	678.92	540.05	123.44	1419.56	0.	432.04
0317	194.46	236.13	513.93	152.79	208.35	0.	888.96	0.	125.01
0318	39.00	39.00	136.50	39.00	0.	0.	78.00	0.	39.00
0319	41.01	13.67	82.02	13.67	0.	0.	27.34	0.	41.01
0320	0.	0.	0.	0.	0.	0.	0.	0.	0.
0321	203.29	178.92	551.67	223.65	0.	0.	372.75	0.	164.01
0401	3.50	0.	17.00	0.	0.	0.	0.	0.	8.50
0402	195.00	105.00	205.00	123.00	0.	0.	180.00	0.	90.00
0403	69.00	46.00	149.50	34.50	46.00	0.	138.00	0.	46.00
0404	400.95	237.60	546.45	297.00	564.30	118.80	519.75	29.70	267.30
0405	41.01	27.34	123.03	41.01	0.	0.	54.68	0.	41.01
0406	22.00	44.00	80.00	22.00	0.	0.	88.00	0.	22.00
0407	72.50	43.50	101.50	29.00	0.	0.	116.00	0.	29.00
0408	59.00	60.00	224.00	64.00	0.	32.00	224.00	0.	48.00

	18	19	20	21	22	23	24	25	26
0409	124.00	15.50	139.50	93.00	93.00	0.	93.00	0.	62.00
0410	347.99	906.32	1094.56	257.21	332.86	0.	832.15	0.	847.28
0411	136.43	17.06	255.90	05.30	0.	170.60	68.34	0.	102.36
0412	82.00	25.06	204.00	17.00	0.	0.	34.30	0.	51.00
0413	103.96	51.99	173.60	69.32	0.	0.	173.30	0.	51.99
0414	169.56	103.69	409.77	84.78	0.	0.	452.16	0.	98.91
0415	89.25	63.75	191.25	63.75	102.00	0.	122.90	12.75	51.00
0416	29.00	0.	58.00	29.00	0.	0.	0.	0.	29.00
0417	79.50	132.50	251.75	66.25	106.00	0.	278.25	0.	53.00
0418	166.50	0.	277.50	111.00	74.00	0.	0.	0.	111.00
0419	582.00	455.00	1462.50	536.25	487.50	260.00	796.25	0.	390.00
0420	0.	0.	0.	0.	0.	0.	0.	0.	0.
0421	0.	0.	0.	0.	0.	0.	0.	0.	0.
0422	56.00	28.00	84.00	56.00	0.	0.	28.00	0.	56.00
0423	381.57	398.16	1128.12	381.57	240.65	66.36	1028.58	66.36	331.80
0424	93.00	55.30	241.80	93.00	111.60	0.	111.60	0.	93.00
0425	272.94	137.97	597.87	260.61	30.66	0.	306.60	0.	183.96
0426	1149.22	1226.87	2958.70	978.39	496.96	201.89	2577.98	124.24	698.85
0427	23.34	46.68	93.36	23.34	0.	0.	93.36	0.	33.01
0428	42.00	0.	112.00	42.00	28.00	0.	0.	0.	42.00
0429	132.92	67.96	373.76	135.92	0.	0.	33.98	152.91	135.92
0430	130.80	91.20	392.20	121.60	0.	0.	182.40	0.	152.00
0431	51.00	0.	102.00	54.00	0.	0.	0.	0.	34.00
0432	309.69	97.86	668.71	179.41	32.62	0.	244.65	65.24	260.96
0433	374.92	346.08	1052.66	403.76	0.	0.	447.02	0.	259.56
0434	303.06	202.44	877.24	269.92	0.	0.	320.53	0.	253.05
0435	42.51	0.	170.04	85.02	28.34	0.	0.	0.	85.02
0436	372.50	387.40	966.50	342.70	119.20	0.	819.50	0.	298.00
0437	524.16	573.30	1425.06	475.02	32.76	65.52	1031.94	0.	409.50
0438	95.40	16.40	147.60	62.00	32.80	0.	65.60	0.	65.60

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	18	19	20	21	22	23	24	25	26
1									
6439	66.00	0.	115.50	66.00	0.	0.	0.	0.	66.00
6440	44.25	14.75	73.75	29.50	0.	0.	59.00	0.	44.25
6441	113.44	28.36	354.50	113.44	0.	0.	0.	113.44	127.62
6442	67.32	84.15	252.45	33.66	33.66	0.	134.64	0.	100.98
6443	53.50	0.	58.50	39.00	39.00	0.	0.	0.	39.00
6444	372.46	237.02	761.05	304.74	575.62	0.	287.81	0.	253.95
6445	441.38	243.52	1004.52	334.84	334.84	76.10	700.12	45.66	330.06
6446	103.98	17.33	173.50	51.99	0.	0.	34.66	34.66	86.65
6447	0.	0.	0.	0.	0.	0.	0.	0.	0.
6448	39.75	13.25	145.75	53.00	0.	0.	53.00	0.	53.00
6449	830.20	806.58	2240.28	762.00	45.72	228.60	1188.72	0.	533.40
6450	39.00	104.00	162.00	26.00	0.	0.	169.00	0.	26.00
6451	517.44	226.38	1002.54	371.91	226.38	0.	695.31	80.85	339.57
6452	579.00	269.80	990.20	466.90	273.70	0.	644.00	0.	338.10
6453	325.21	128.43	513.72	242.59	613.61	0.	214.05	0.	199.78
6454	522.24	212.16	1224.00	456.96	293.76	0.	554.88	0.	359.04
6455	130.60	75.60	226.80	113.40	365.40	0.	201.60	0.	63.00
6456	467.10	607.23	1416.37	482.67	280.26	93.42	996.48	0.	326.97
6501	141.50	43.50	203.00	43.50	0.	0.	87.00	0.	58.00
6502	75.00	130.00	285.00	75.00	0.	0.	540.00	0.	45.00
6503	102.40	51.20	166.40	51.20	25.60	0.	102.40	0.	51.20
6504	77.32	77.32	212.63	96.65	57.99	0.	154.64	0.	57.99
6505	38.66	0.	115.98	19.33	0.	0.	0.	0.	57.99
6506	56.25	18.75	112.50	37.50	0.	0.	56.25	0.	37.50
6507	40.50	0.	54.00	27.00	27.00	0.	0.	0.	27.00
6508	7.00	21.00	42.00	7.00	0.	0.	42.00	0.	7.00
6509	44.00	11.00	99.00	0.	0.	0.	22.00	0.	33.00
6510	76.05	30.60	122.64	76.65	0.	0.	153.30	0.	45.99
6511	127.53	70.85	226.72	99.19	212.55	0.	170.04	0.	85.02
6512	514.91	601.01	1561.34	448.47	232.54	0.	014.57	99.66	548.13
6513	262.56	25.32	506.40	101.28	202.56	0.	50.64	50.64	177.24

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1	18	19	20	21	22	23	24	25	26
6514	69.60	34.50	149.50	69.80	0.	0.	184.00	0.	34.50
6515	98.75	0.	138.25	59.25	0.	0.	0.	0.	79.00
6516	30.00	0.	50.00	0.	0.	0.	0.	0.	20.00
6517	96.00	106.00	252.00	36.00	0.	36.00	216.00	0.	72.00
6518	18.00	0.	18.00	9.	0.	0.	0.	0.	9.00
6519	56.68	102.09	205.30	58.68	29.34	0.	234.72	0.	44.01
6520	226.70	66.01	385.39	136.02	0.	0.	226.70	0.	136.02
6521	101.32	75.99	253.30	126.65	0.	0.	303.96	0.	75.99
6522	130.00	122.40	272.00	122.40	81.60	54.40	571.20	0.	68.00
6523	113.60	99.40	204.00	127.60	28.40	0.	241.40	0.	71.00
6524	45.75	15.25	91.50	30.50	0.	0.	30.50	0.	45.75
6525	199.94	76.90	415.26	107.66	0.	0.	138.42	0.	123.04
6526	73.00	54.75	237.25	54.75	0.	0.	109.50	0.	73.00
6527	58.50	78.00	195.00	58.50	97.50	0.	273.00	0.	39.00
6528	81.00	48.60	162.00	32.40	0.	0.	97.20	32.40	64.80
6529	330.00	390.00	1020.00	195.00	150.00	0.	645.00	30.00	315.00
6530	225.02	129.30	557.55	267.09	31.86	0.	334.53	0.	225.02
6531	64.50	64.50	182.75	64.50	107.50	0.	225.75	0.	43.00
6532	102.00	34.00	221.00	17.00	0.	0.	136.00	0.	68.00
6533	85.50	42.75	156.75	26.50	0.	0.	85.50	0.	57.00
6534	70.00	117.00	351.00	56.50	97.50	0.	234.00	0.	78.00
6535	91.50	122.00	244.00	61.00	91.50	0.	244.00	0.	61.00
7101	46.50	0.	100.50	77.50	0.	0.	0.	0.	46.50
7102	527.34	263.67	1020.55	511.83	403.26	0.	62.04	93.06	682.44
7103	300.01	169.40	900.03	315.30	0.	0.	260.43	0.	284.22
7104	292.80	321.36	922.32	263.52	0.	0.	246.88	0.	278.16
7105	295.20	147.60	806.80	246.00	0.	0.	147.60	98.40	229.60
7106	293.80	279.11	1067.06	426.01	0.	0.	220.35	0.	337.87
7107	344.47	103.17	797.72	290.06	199.43	0.	54.39	0.	290.08
7108	300.60	116.80	876.00	408.80	0.	29.20	29.20	0.	394.20

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1	18	19	20	21	22	23	24	25	26
7109	490.64	218.96	985.32	375.36	31.28	140.70	109.48	46.92	344.08
7110	70.02	23.34	216.06	58.35	0.	58.35	0.	0.	70.02
7111	375.69	219.10	970.30	391.25	62.60	0.	281.70	125.20	266.05
7112	741.60	556.20	1946.70	648.90	216.30	0.	1467.75	30.90	679.80
7113	484.16	409.92	1167.68	427.20	213.60	156.64	1281.34	28.48	398.72
7114	250.07	176.52	588.40	176.52	205.94	29.42	317.75	0.	205.94
7115	915.36	1065.93	2645.62	842.46	812.90	0.	1226.74	103.46	679.88
7116	457.33	283.86	1040.82	346.94	189.24	63.08	551.95	0.	346.94
7117	1511.50	777.75	2714.53	1113.25	1098.00	0.	1799.50	198.25	915.00
7118	1357.25	716.75	3004.25	1220.00	701.50	61.00	869.25	152.50	1220.00
7119	1282.55	1158.75	3476.25	1174.20	432.60	0.	2054.85	386.25	988.80
7120	50.32	15.33	93.31	39.99	39.99	0.	39.99	0.	39.99
7121	231.00	123.20	506.20	246.40	138.60	0.	400.40	0.	215.60
7122	540.05	109.75	1172.68	416.61	231.45	0.	585.75	262.31	509.19
7123	462.08	167.72	1227.40	359.88	274.36	0.	231.04	57.76	519.84
7201	601.84	447.16	1634.98	693.90	524.28	0.	863.52	215.86	663.06
7202	1232.01	609.24	2753.01	1003.86	380.25	45.63	1657.89	91.26	927.81
7203	713.46	310.20	1504.47	666.93	170.61	155.10	480.81	124.08	604.89
7204	976.00	274.58	2119.75	991.25	976.00	45.75	1082.75	259.25	777.75
7205	723.24	428.04	1712.16	603.16	250.92	88.56	1077.48	29.52	560.88
7206	368.50	250.56	610.70	260.06	0.	0.	412.72	58.96	265.32
7207	541.10	324.66	1298.64	479.26	587.48	200.90	1082.20	0.	371.04
7208	1301.52	987.36	3036.88	1151.92	463.76	418.88	1989.68	0.	807.84
7209	130.00	117.00	286.00	91.00	0.	0.	273.00	0.	-78.00
7210	1644.84	1355.47	3929.34	1157.48	715.61	152.30	3685.66	335.06	1005.18
7211	1439.14	1010.46	3568.20	1148.25	520.54	122.48	1791.27	229.65	933.91
7212	896.00	736.00	2015.00	704.00	1280.00	64.00	1328.00	0.	544.00
7213	1053.50	782.60	2362.85	887.95	978.25	-0.	1941.45	-45.15	617.05
7214	44.60	0.	110.00	22.00	88.60	0.	0.	0.	22.00
7301	215.28	149.04	496.80	182.16	132.48	0.	298.08	0.	149.04
7302	35.00	0.	87.50	35.00	105.00	0.	-0.	0.	52.50

I	18	19	20	21	22	23	24	25	26
7303	37.50	0.	62.50	37.50	0.	0.	0.	0.	25.00
7304	40.00	0.	80.00	40.00	0.	0.	0.	0.	40.00
7305	498.60	448.74	1163.40	365.64	166.20	66.48	1196.64	0.	349.02
7306	1762.00	1069.20	3053.10	1316.80	1232.55	29.70	2940.30	0.	980.10
7307	510.00	325.60	1095.20	444.00	296.90	59.20	888.00	88.80	296.00
7308	22.00	22.00	80.00	22.00	0.	0.	88.00	0.	22.00
7309	120.00	96.00	240.00	84.00	60.00	0.	396.00	0.	48.00
7310	88.50	73.75	191.75	73.75	59.00	0.	162.25	0.	59.00
7311	100.00	24.00	144.00	48.00	0.	0.	72.00	0.	48.00
7312	121.31	36.65	207.96	86.65	121.31	0.	225.29	0.	51.99
7313	123.20	92.40	323.40	92.40	61.60	0.	184.00	0.	61.60
7314	231.00	313.50	643.50	231.00	99.00	0.	1130.50	0.	132.00
7315	343.16	203.48	760.92	238.72	373.00	149.20	999.64	0.	193.96
7316	758.52	402.48	1400.68	557.28	232.20	30.96	1099.08	0.	387.00
7317	0.	0.	0.	0.	0.	0.	0.	0.	0.
7318	418.76	173.28	620.92	245.48	505.40	0.	606.48	0.	216.60
7319	309.00	139.05	556.20	216.30	262.65	30.90	571.65	0.	169.95
7320	244.00	107.75	503.25	163.00	91.50	0.	488.00	0.	122.00
7321	6.00	16.00	32.00	16.00	0.	0.	32.00	0.	8.00
7322	0.	0.	0.	0.	0.	0.	0.	0.	0.
7323	9.00	0.	18.00	18.00	0.	0.	0.	0.	9.00
7324	292.79	292.79	523.94	154.10	30.62	0.	708.86	0.	261.97
7325	605.92	671.60	1981.22	606.39	730.76	0.	1561.47	0.	486.91
7326	105.00	157.50	367.50	122.50	0.	122.50	630.00	0.	70.00
7327	0.	0.	0.	0.	0.	0.	0.	0.	0.
7328	1052.25	579.50	1891.00	701.50	899.75	137.25	1692.75	0.	610.00
7401	47.00	0.	117.50	47.00	0.	0.	0.	0.	47.00
7402	101.50	116.00	232.00	87.00	0.	0.	406.00	0.	58.00
7403	32.00	32.00	112.00	16.00	0.	0.	64.00	0.	32.00
7404	48.00	96.00	144.00	48.00	0.	0.	192.00	0.	24.00

1	18	19	20	21	22	23	24	25	26
7405	43.60	64.90	192.00	43.00	32.00	0.	128.00	0.	64.00
7406	294.61	34.60	302.57	190.63	69.32	0.	69.32	17.33	297.96
7407	72.90	0.	144.00	72.00	0.	0.	0.	0.	72.00
7408	86.80	136.40	285.20	66.80	0.	24.80	272.80	0.	62.00
8101	60.34	115.12	561.21	172.68	0.	0.	57.56	57.56	215.85
8102	553.68	753.62	2245.48	938.18	569.06	0.	1107.36	46.14	984.32
8103	477.76	452.97	1522.66	477.76	119.44	0.	701.71	209.02	418.04
8104	37.50	0.	87.50	25.00	87.50	0.	0.	50.00	25.00
8105	40.50	0.	40.50	40.50	0.	0.	0.	0.	27.00
8106	603.52	699.36	2648.64	714.24	416.64	342.24	744.00	59.52	803.52
8107	10.00	0.	10.00	0.	0.	0.	0.	0.	10.00
8108	0.	0.	0.	0.	0.	0.	0.	0.	0.
8109	0.	0.	0.	0.	0.	0.	0.	0.	0.
8110	529.92	529.92	1368.96	412.16	279.68	0.	1236.48	0.	471.04
8111	32.50	0.	40.75	32.50	0.	0.	0.	0.	32.50
8112	252.11	192.79	459.73	133.47	59.32	0.	504.22	0.	177.96
8113	255.51	2134.26	2693.37	279.54	285.57	60.12	5906.79	0.	1307.61
8114	757.00	1650.20	2498.10	408.78	242.24	0.	5404.98	0.	545.04
8115	62.68	1002.88	1128.24	78.35	62.68	0.	1065.56	0.	266.39
8116	162.00	40.50	378.00	256.50	594.00	0.	40.50	0.	135.00
8117	0.	0.	0.	0.	0.	0.	0.	0.	0.
8118	329.34	329.34	1062.87	449.10	134.73	0.	598.80	0.	434.13
8119	0.	0.	0.	0.	0.	0.	0.	0.	0.
8120	0.	0.	0.	0.	0.	0.	0.	0.	0.
8201	790.18	225.90	1144.56	301.20	421.68	0.	707.82	90.36	451.80
8202	561.84	221.40	870.84	236.16	428.04	0.	428.04	0.	295.20
8203	1761.74	1030.17	3239.61	1149.61	1435.28	119.44	2821.77	119.44	985.38
8204	489.92	137.79	673.64	260.27	413.37	0.	321.51	0.	229.65
8205	724.22	384.23	1312.42	591.20	1359.76	0.	1995.30	0.	458.18
8206	763.12	254.32	1032.24	368.96	553.52	74.80	792.88	0.	388.96



I	18	19	20	21	22	23	24	25	26
0207	778.44	509.22	1691.51	568.86	748.50	29.94	1392.21	89.82	553.89
0208	1473.92	1488.90	5519.36	902.56	1143.04	180.48	3534.40	0.	812.16
0209	1061.90	055.03	2472.71	788.84	1016.39	166.87	2032.78	424.76	697.82
0210	317.94	60.56	757.00	242.24	560.18	0.	121.12	0.	317.94
0211	45.00	0.	105.00	0.	0.	0.	0.	0.	60.00
0212	330.25	93.31	506.24	106.62	319.92	26.66	159.96	0.	213.28
0213	927.20	532.00	1702.40	577.60	988.00	0.	1580.00	0.	532.00
0214	1259.55	217.70	2083.70	1026.36	852.25	264.35	388.75	0.	1057.40
0215	530.92	329.34	1362.27	404.19	464.07	0.	973.05	943.11	434.13
0216	565.29	107.04	1113.45	445.36	274.08	0.	205.56	0.	548.16
0217	771.50	61.77	1743.59	611.77	879.51	154.30	1789.88	169.73	462.90
0218	1200.69	402.84	2240.08	925.66	958.74	66.12	661.20	0.	843.03
0219	1005.18	517.82	1995.13	1020.41	1690.53	106.61	1066.10	0.	654.89
0220	471.90	243.10	996.70	343.20	686.40	0.	414.70	572.00	328.90
0221	717.60	493.35	1599.65	598.00	403.65	29.90	1166.10	0.	553.15
0222	384.34	174.70	768.68	419.26	139.76	139.76	296.99	104.82	262.05
0223	193.08	274.38	545.76	145.26	290.52	0.	561.74	0.	112.98
0224	975.60	427.80	1723.56	650.40	1186.98	146.34	1203.24	97.56	487.80
0225	1489.92	1228.80	3050.04	1090.56	1766.40	61.44	3210.24	0.	814.08
0226	334.19	101.71	595.73	365.13	276.07	0.	232.48	0.	217.95
0227	1239.64	016.48	2751.04	1013.04	589.68	0.	2026.08	45.36	861.84
0228	330.56	309.12	1000.96	397.44	235.52	147.20	721.28	103.04	264.96
0229	326.76	357.86	964.72	342.32	171.16	62.24	1151.44	0.	248.96
0230	0.	0.	0.	0.	0.	0.	0.	0.	0.
0231	21.00	0.	42.00	21.00	0.	0.	0.	0.	42.00
0232	1055.60	369.76	1965.34	747.04	1201.76	0.	779.52	0.	747.04
0233	894.66	375.16	1601.73	548.34	1082.25	0.	909.09	259.74	620.49
0234	524.62	555.48	1311.55	324.03	1033.61	0.	1373.27	0.	324.03
0235	330.75	236.25	708.75	204.75	141.75	0.	519.75	0.	236.25
0236	1170.58	559.07	2765.13	951.93	800.83	75.55	1390.12	0.	1103.03



	18	19	20	21	22	23	24	25	26
0207	164.86	113.76	396.16	164.86	142.20	0.	483.48	0.	127.98
0208	1045.80	268.92	1942.20	881.46	1015.92	119.52	956.16	298.80	776.88
0209	1086.54	807.89	2615.38	882.60	809.05	58.94	2147.66	147.10	706.08
0240	537.48	223.95	1254.12	418.04	149.30	0.	612.13	0.	418.04
0241	295.26	264.18	683.76	264.18	186.48	0.	380.50	0.	202.02
0242	0.	0.	0.	0.	0.	0.	0.	0.	0.
0243	0.	0.	0.	0.	0.	0.	0.	0.	0.
0301	954.03	630.63	1519.98	420.42	596.29	0.	2150.61	0.	420.42
0302	1149.12	831.60	2177.28	756.00	362.88	0.	2680.64	0.	589.68
0303	681.98	618.54	1379.62	364.78	412.36	0.	1966.64	412.36	333.06
0304	87.50	37.50	87.50	37.50	87.50	0.	200.00	100.00	25.00
0305	75.00	60.00	195.00	45.00	60.00	0.	135.00	0.	60.00
0306	617.40	455.70	1440.60	455.70	499.80	0.	1293.60	279.30	367.50
0307	552.00	359.60	774.40	176.00	193.60	0.	668.80	0.	176.00
0308	63.00	113.40	277.20	75.60	0.	0.	252.00	0.	63.00
0309	439.93	227.55	604.01	273.06	348.91	75.85	424.76	0.	273.06
0310	455.28	699.18	1365.84	276.42	308.94	65.04	2406.48	0.	260.16
0311	1409.59	504.11	2199.58	820.97	1750.37	01.96	1889.78	0.	712.54
0312	635.36	720.83	1031.72	361.00	722.00	57.76	1501.76	0.	346.56
0313	619.40	407.50	1255.10	440.16	586.60	32.60	798.72	0.	326.00
0314	1187.46	718.34	2242.98	674.36	1275.42	0.	2580.16	0.	615.72
0315	596.62	262.95	1174.51	350.60	350.60	0.	1227.10	0.	333.07
0316	0.	0.	0.	0.	0.	0.	0.	0.	0.
0317	0.	0.	0.	0.	0.	0.	0.	0.	0.
0318	399.36	238.40	706.56	261.12	537.60	30.72	629.76	0.	215.04
0319	209.72	123.52	401.44	138.96	617.60	0.	617.60	0.	138.96
0320	0.	0.	0.	0.	0.	0.	0.	0.	0.
0321	435.86	154.66	801.42	309.32	253.08	0.	703.00	84.36	224.96
0322	313.72	150.04	600.16	190.96	477.40	68.20	463.76	40.92	190.96
0323	1200.61	1014.68	2976.16	777.86	1046.42	0.	1572.63	0.	760.95
0324	1037.16	634.68	2492.28	743.04	804.96	0.	2074.32	913.32	665.64

1	18	19	20	21	22	23	24	25	26
8325	187.00	107.00	340.00	130.00	255.00	0.	527.00	170.00	136.00
8326	122.36	62.63	235.05	78.35	78.35	0.	282.06	297.73	78.35
8327	110.00	110.00	242.00	132.00	0.	0.	352.00	0.	66.00
8328	481.80	323.32	583.30	305.14	192.72	32.12	754.82	0.	240.90
9201	545.76	212.24	1006.26	508.28	98.96	0.	651.88	0.	363.84
9202	788.40	365.06	1700.20	715.40	430.00	292.00	949.00	175.20	540.20
9203	673.68	336.84	1299.24	545.36	368.92	0.	1491.72	930.32	433.08
9204	246.68	73.20	439.20	190.32	58.56	0.	351.36	0.	146.40
9205	0.	0.	0.	0.	0.	0.	0.	0.	0.
9206	466.41	407.97	1269.24	407.97	120.88	166.21	498.63	0.	392.86
9207	472.13	137.07	652.88	274.14	456.90	121.84	228.45	45.69	350.29
9208	994.28	296.80	1986.56	905.24	801.36	89.04	563.92	207.76	801.36
9209	177.19	80.15	340.75	149.93	136.30	0.	122.67	0.	109.04
9210	1030.00	518.00	1909.20	695.60	754.80	0.	1258.00	88.80	680.80
9211	876.74	534.96	2020.96	743.00	653.64	89.16	1367.12	89.16	638.98
9212	0.	0.	0.	0.	0.	0.	0.	0.	0.
9213	0.	0.	0.	0.	0.	0.	0.	0.	0.
9214	0.	0.	0.	0.	0.	0.	0.	0.	0.
9215	16.00	0.	32.00	16.00	0.	0.	0.	0.	16.00
9216	657.24	416.32	1598.98	597.60	74.70	29.88	1329.66	0.	463.14
9217	0.	0.	0.	0.	0.	0.	0.	0.	0.
9218	261.46	61.52	492.16	199.94	92.28	0.	61.52	0.	199.94
9219	65.00	0.	119.00	34.00	68.00	0.	0.	0.	68.00
9220	137.61	15.29	214.06	168.19	45.87	91.74	0.	0.	107.03
9221	113.19	0.	145.53	48.51	0.	0.	0.	0.	80.85
9222	811.25	398.25	1563.50	649.00	870.25	118.00	1637.25	0.	531.00
9301	1182.16	691.84	2947.84	1037.76	315.84	0.	1398.72	360.96	932.48
9302	76.05	61.32	229.95	45.99	0.	0.	30.66	0.	45.99
9303	421.95	392.85	1033.35	363.75	87.30	72.75	974.85	0.	261.90
9304	134.80	0.	167.20	50.25	0.	0.	0.	0.	100.50
9305	320.98	277.21	729.50	233.44	0.	0.	1123.43	0.	189.67

1	18	19	20	21	22	23	24	25	26
9306	40.00	46.00	92.00	23.00	92.00	0.	115.00	0.	23.00
9307	567.84	407.68	1426.88	555.28	116.48	0.	1179.36	276.64	451.36
9308	457.12	202.02	1041.18	295.26	93.24	0.	295.26	0.	357.42
9309	701.10	405.06	1337.88	514.14	654.36	124.64	1121.76	0.	405.08
9310	401.50	240.90	667.24	323.32	337.26	0.	995.72	0.	273.02
9311	101.50	67.00	246.50	130.50	29.40	0.	56.00	0.	50.00
9312	177.32	24.56	392.56	177.32	27.28	0.	27.28	0.	177.32
9313	0.	0.	0.	0.	0.	0.	0.	0.	0.
9314	0.	0.	0.	0.	0.	0.	0.	0.	0.
9315	23.00	21.00	63.00	28.00	49.00	0.	42.00	0.	14.00
9316	1117.27	870.60	2495.72	812.56	783.54	0.	2553.76	72.55	638.44
9317	907.68	529.80	1740.96	729.12	729.12	0.	1130.88	0.	491.04
9318	813.55	261.39	1703.15	696.07	784.93	0.	725.69	29.62	533.16
9319	1026.90	572.13	2068.47	733.50	865.53	0.	1804.41	0.	557.46
9320	17.00	0.	34.00	17.00	136.00	0.	0.	0.	17.00
9321	240.68	176.20	651.94	229.06	140.96	0.	317.16	0.	229.06
9322	641.99	223.95	1269.05	477.76	164.23	0.	283.67	179.16	403.11
9323	253.56	139.20	556.30	235.64	130.96	0.	320.16	0.	167.04
9324	324.60	292.14	795.27	259.66	162.30	0.	1087.41	0.	210.99
9325	90.00	30.00	195.00	60.00	0.	0.	120.00	0.	60.00
9326	1012.90	463.04	2025.80	860.20	926.08	0.	1447.00	376.22	665.62
9327	603.96	445.78	1279.62	503.30	86.28	0.	1524.28	0.	330.74
9328	242.28	76.65	490.56	275.94	444.57	0.	306.60	0.	183.96
9329	55.53	0.	111.00	55.50	0.	0.	0.	0.	37.00
9330	326.13	201.89	714.38	217.42	450.37	0.	667.79	0.	232.95
9331	683.00	400.00	1600.00	576.00	608.00	0.	1168.00	80.00	416.00
9332	0.	0.	0.	0.	0.	0.	0.	0.	0.
9333	225.40	193.20	579.60	161.00	330.10	0.	595.70	0.	161.00
9334	92.40	92.40	277.20	66.00	0.	0.	409.20	0.	66.00
9335	60.00	102.00	264.00	85.00	221.00	0.	255.00	0.	51.00
9336	8.00	4.00	12.00	4.00	0.	0.	32.00	43.39	4.00

APPENDIX H

LISTING OF ZONES USED TO DEVELOP  
THE SIXTEEN TRIPEND EQUATIONS

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## KEY TO COLUMN NUMBERS

- 1 Home Based Trip Productions
- 2 Home Work Trip Productions
- 3 Home Personal Business Trip Productions
- 4 Home Shopping Trip Productions
- 5 Home Social Recreational Trip Productions
- 6 Home School Trip Productions
- 7 All Other Home Based Trip Productions
- 8 All Home Based Trip Productions
- 9 Home Based Trip Attractions
- 10 Home Work Trip Attractions
- 11 Home Personal Business Trip Attractions
- 12 Home Shopping Trip Attractions
- 13 Home Social Recreational Trip Attractions
- 14 Home School Trip Attractions
- 15 All Other Home Based Trip Attractions
- 16 All Home Based Trip Attractions

Note: 0000 indicates that there are no further significant zones for the particular trip purposes.







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